

B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



B2\_N66(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_High\_CH



B2\_N66(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Edge\_1RB\_Left\_High\_CH



B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



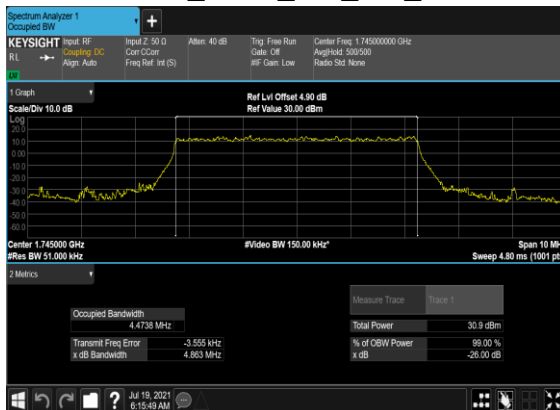
B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



## Occupied Bandwidth

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-----------|----------------|
| 66      | 15        | 5               | 429000 | 1745.0     | DFT-s-OFDM PI/2 BPSK | 25@0  | 4.4738    | 4.863          |
| 66      | 15        | 5               | 429000 | 1745.0     | DFT-s-OFDM QPSK      | 25@0  | 4.4613    | 4.868          |
| 66      | 15        | 5               | 429000 | 1745.0     | CP-OFDM QPSK         | 25@0  | 4.4766    | 4.904          |
| 66      | 15        | 5               | 429000 | 1745.0     | CP-OFDM 16 QAM       | 25@0  | 4.4625    | 4.945          |
| 66      | 15        | 5               | 429000 | 1745.0     | CP-OFDM 64 QAM       | 25@0  | 4.4778    | 4.939          |
| 66      | 15        | 5               | 429000 | 1745.0     | CP-OFDM 256 QAM      | 25@0  | 4.4691    | 4.952          |
| 66      | 15        | 10              | 429000 | 1745.0     | DFT-s-OFDM PI/2 BPSK | 50@0  | 8.8969    | 9.405          |
| 66      | 15        | 10              | 429000 | 1745.0     | DFT-s-OFDM QPSK      | 50@0  | 8.9015    | 9.523          |
| 66      | 15        | 10              | 429000 | 1745.0     | CP-OFDM QPSK         | 52@0  | 9.2521    | 9.855          |
| 66      | 15        | 10              | 429000 | 1745.0     | CP-OFDM 16 QAM       | 52@0  | 9.2628    | 9.837          |
| 66      | 15        | 10              | 429000 | 1745.0     | CP-OFDM 64 QAM       | 52@0  | 9.2615    | 9.822          |
| 66      | 15        | 10              | 429000 | 1745.0     | CP-OFDM 256 QAM      | 52@0  | 9.282     | 9.9            |
| 66      | 15        | 15              | 429000 | 1745.0     | DFT-s-OFDM PI/2 BPSK | 75@0  | 13.386    | 14.12          |
| 66      | 15        | 15              | 429000 | 1745.0     | DFT-s-OFDM QPSK      | 75@0  | 13.393    | 14.15          |
| 66      | 15        | 15              | 429000 | 1745.0     | CP-OFDM QPSK         | 79@0  | 14.097    | 14.84          |
| 66      | 15        | 15              | 429000 | 1745.0     | CP-OFDM 16 QAM       | 79@0  | 14.103    | 14.91          |
| 66      | 15        | 15              | 429000 | 1745.0     | CP-OFDM 64 QAM       | 79@0  | 14.11     | 14.81          |
| 66      | 15        | 15              | 429000 | 1745.0     | CP-OFDM 256 QAM      | 79@0  | 14.076    | 14.86          |
| 66      | 15        | 20              | 429000 | 1745.0     | DFT-s-OFDM PI/2 BPSK | 100@0 | 17.828    | 18.72          |
| 66      | 15        | 20              | 429000 | 1745.0     | DFT-s-OFDM QPSK      | 100@0 | 17.854    | 18.71          |
| 66      | 15        | 20              | 429000 | 1745.0     | CP-OFDM QPSK         | 106@0 | 18.896    | 19.79          |
| 66      | 15        | 20              | 429000 | 1745.0     | CP-OFDM 16 QAM       | 106@0 | 18.899    | 19.79          |
| 66      | 15        | 20              | 429000 | 1745.0     | CP-OFDM 64 QAM       | 106@0 | 18.899    | 19.75          |
| 66      | 15        | 20              | 429000 | 1745.0     | CP-OFDM 256 QAM      | 106@0 | 18.974    | 20.5           |

B2\_N66(5M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



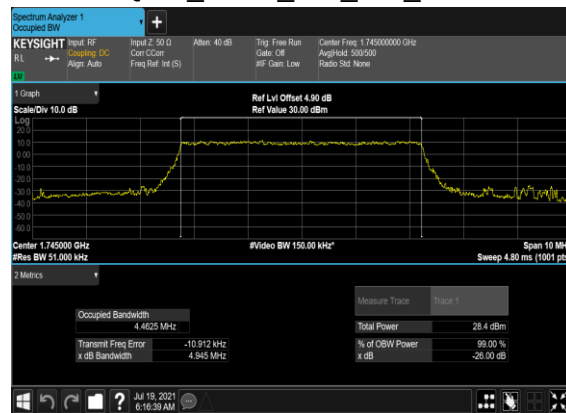
B2\_N66(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



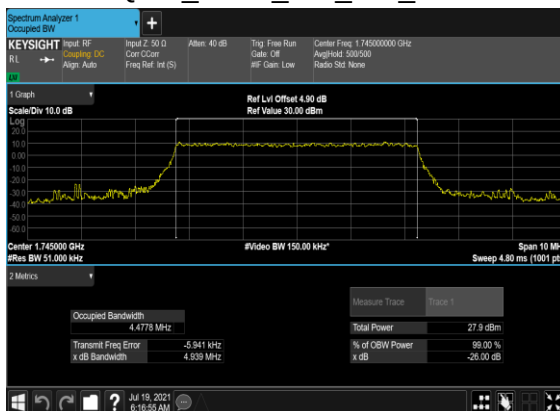
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



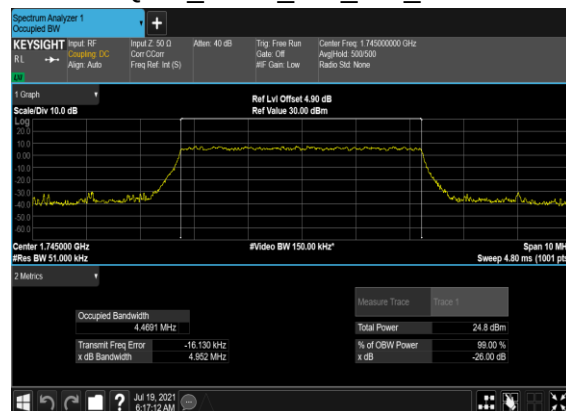
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QAM\_Outer\_Full\_Mid\_CH



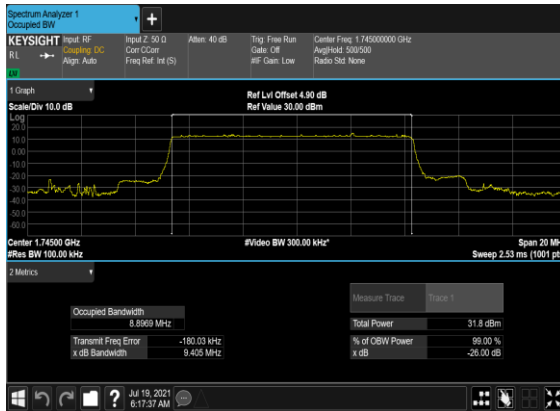
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QAM\_Outer\_Full\_Mid\_CH



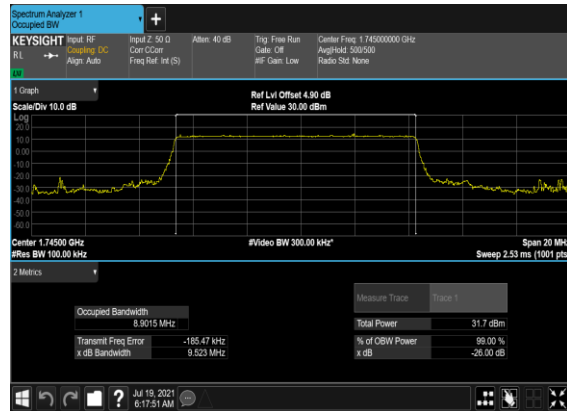
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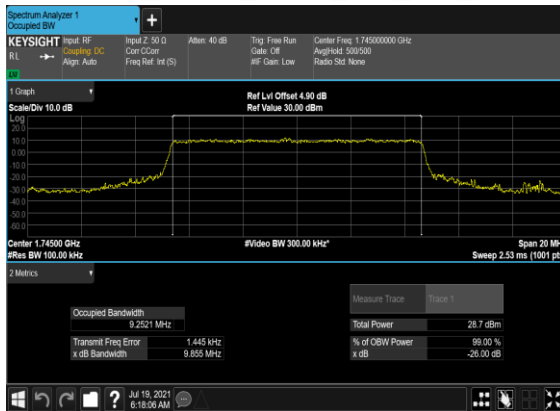
B2\_N66(10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



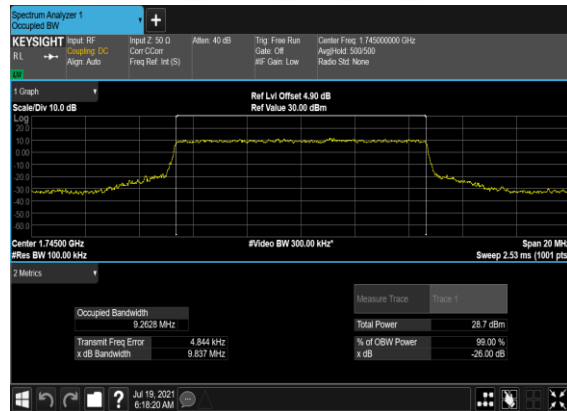
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



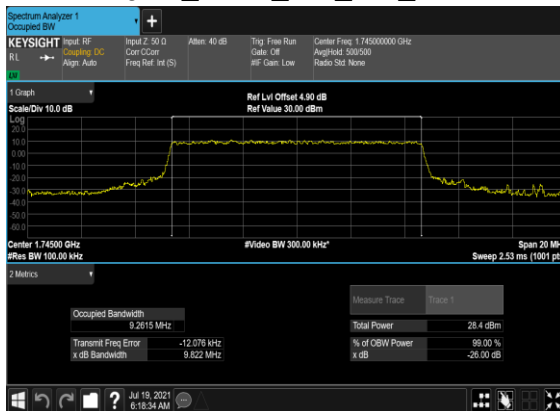
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



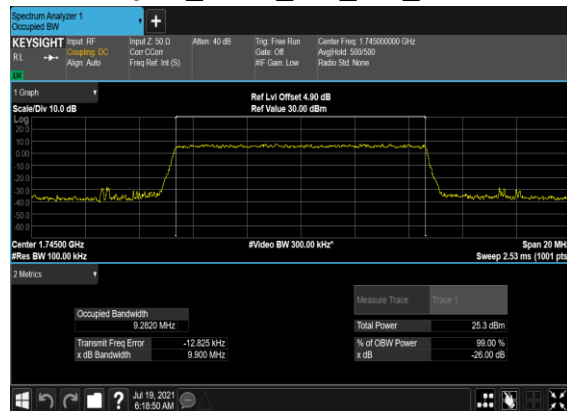
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QAM\_Outer\_Full\_Mid\_CH



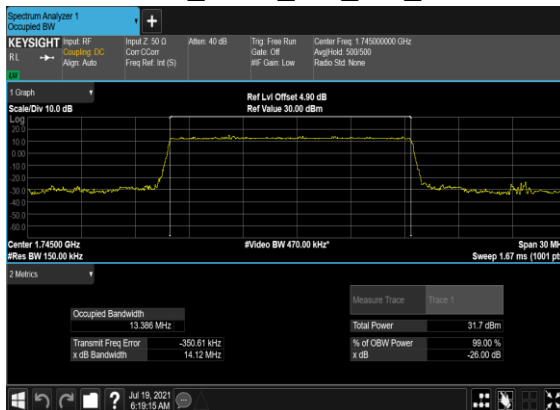
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QAM\_Outer\_Full\_Mid\_CH



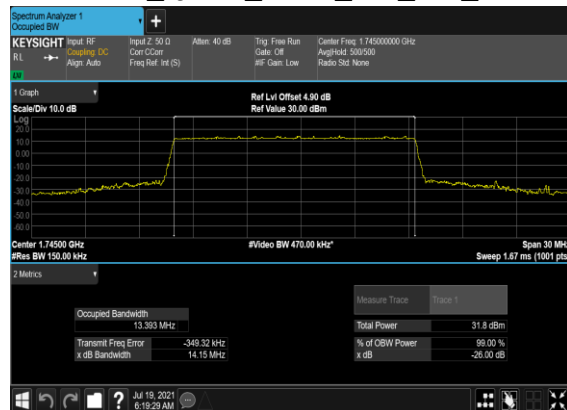
B2\_N66(10M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



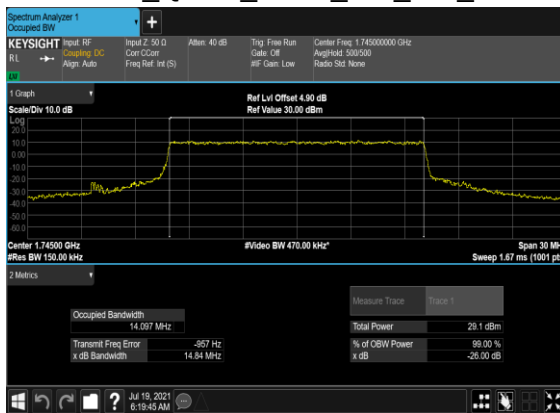
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BPSK\_Outer\_Full\_Mid\_CH



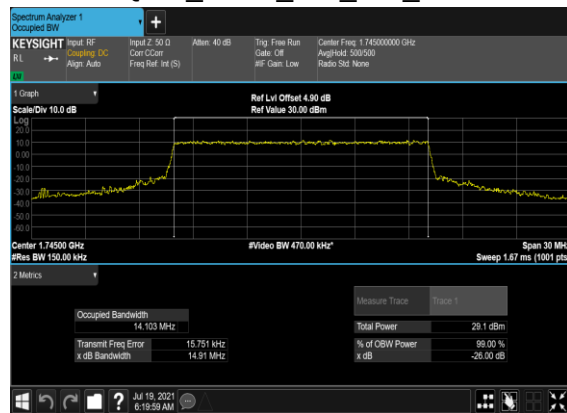
B2\_N66(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



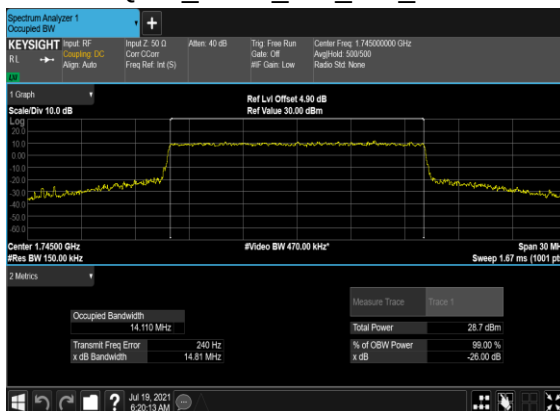
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



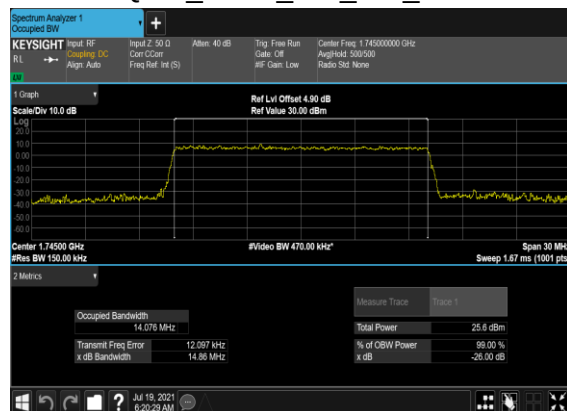
B2\_N66(15M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



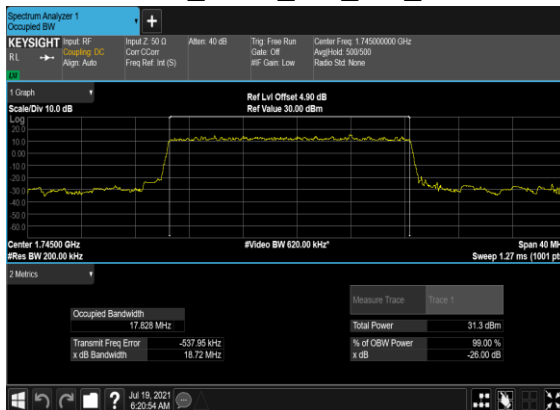
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QAM\_Outer\_Full\_Mid\_CH



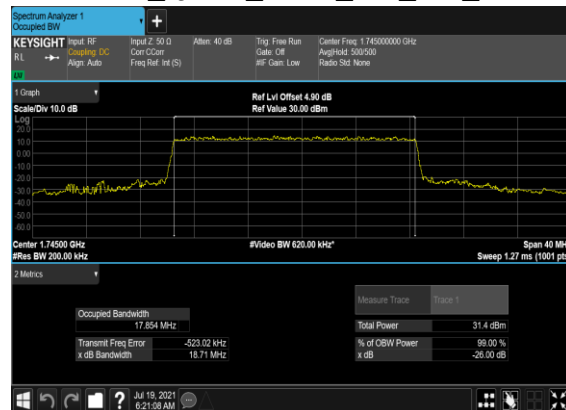
B2\_N66(15M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



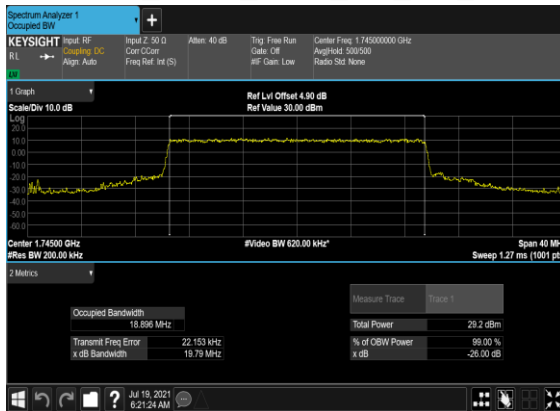
B2\_N66(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



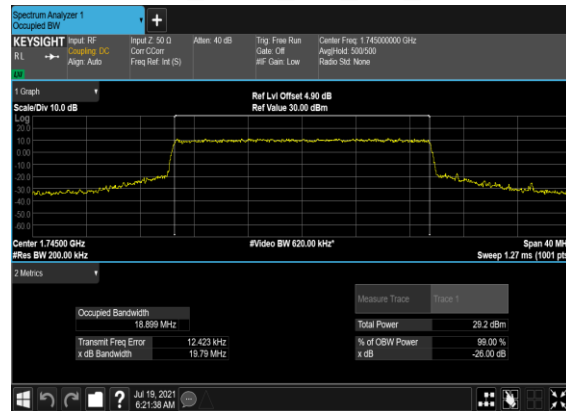
B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



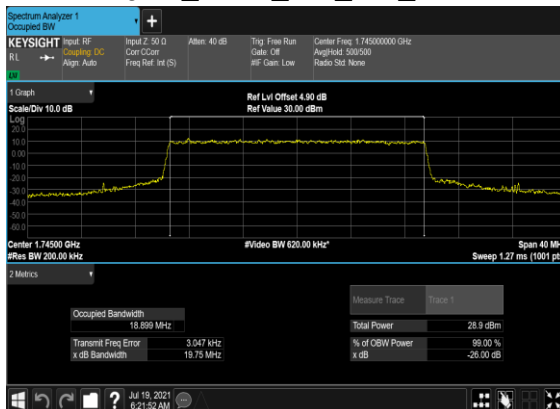
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



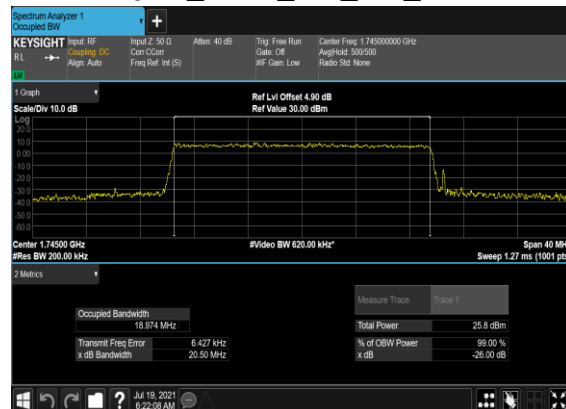
B2\_N66(20M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



B2\_N66(20M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



B2\_N66(20M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



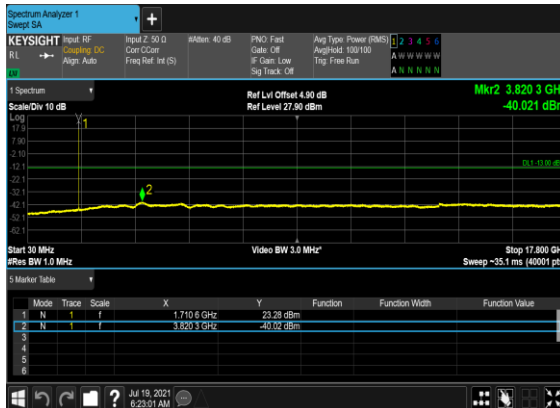
## Conducted Spurious Emissions

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 5               | 429000 | 1745.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 66      | 15        | 5               | 429000 | 1745.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 5               | 429000 | 1745.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 66      | 15        | 5               | 429000 | 1745.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 10              | 429000 | 1745.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 66      | 15        | 10              | 429000 | 1745.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 10              | 429000 | 1745.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 66      | 15        | 10              | 429000 | 1745.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 66      | 15        | 10              | 435000 | 1775.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 66      | 15        | 10              | 435000 | 1775.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |

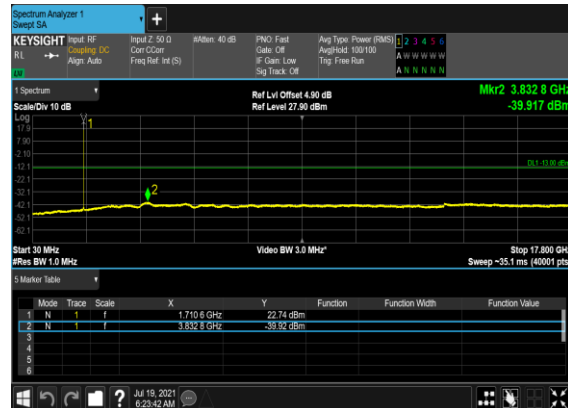
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|----|----|----|--------|--------|-----------------|-----|-----------|------|
| 66 | 15 | 10 | 435000 | 1775.0 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |
| 66 | 15 | 10 | 435000 | 1775.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 424000 | 1720.0 | DFT-s-OFDM BPSK | 1@0 | see graph | ---  |
| 66 | 15 | 20 | 424000 | 1720.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 424000 | 1720.0 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |
| 66 | 15 | 20 | 424000 | 1720.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 429000 | 1745.0 | DFT-s-OFDM BPSK | 1@0 | see graph | ---  |
| 66 | 15 | 20 | 429000 | 1745.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 429000 | 1745.0 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |
| 66 | 15 | 20 | 429000 | 1745.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 434000 | 1770.0 | DFT-s-OFDM BPSK | 1@0 | see graph | ---  |
| 66 | 15 | 20 | 434000 | 1770.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 434000 | 1770.0 | DFT-s-OFDM QPSK | 1@0 | see graph | ---  |
| 66 | 15 | 20 | 434000 | 1770.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |



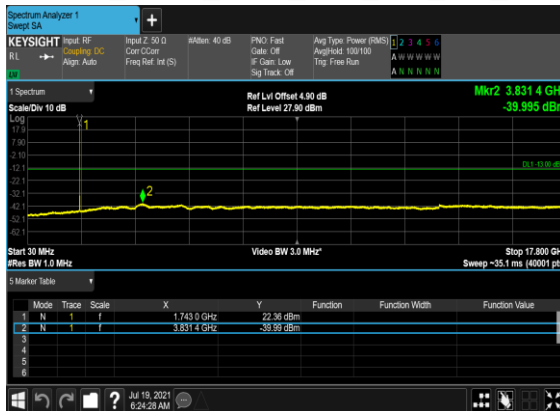
B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



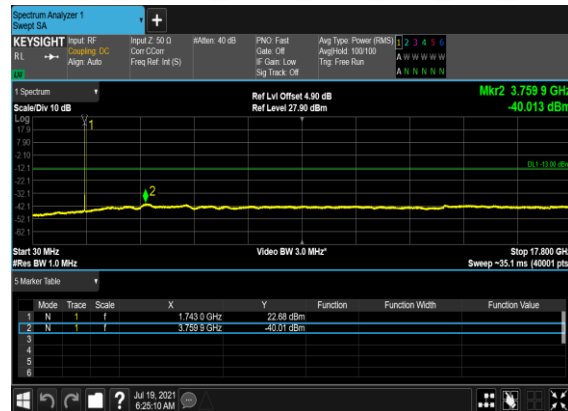
B2\_N66(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



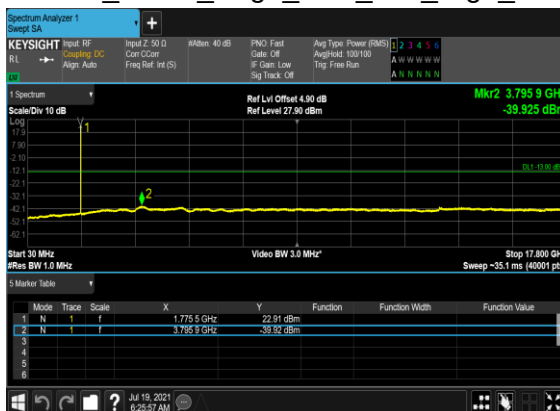
B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



B2\_N66(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



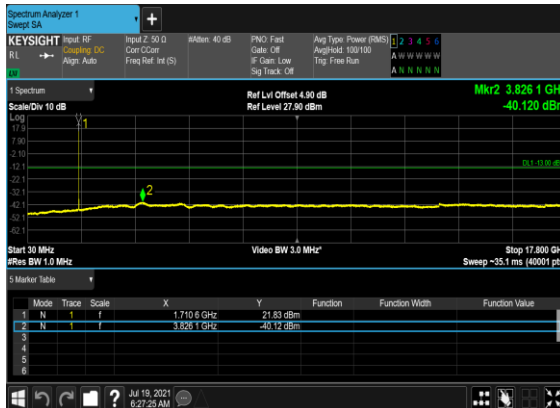
B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



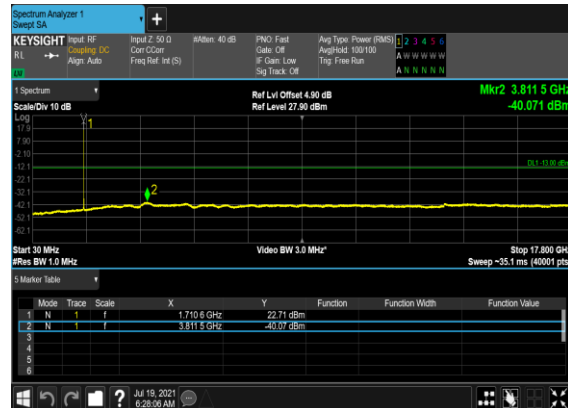
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OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



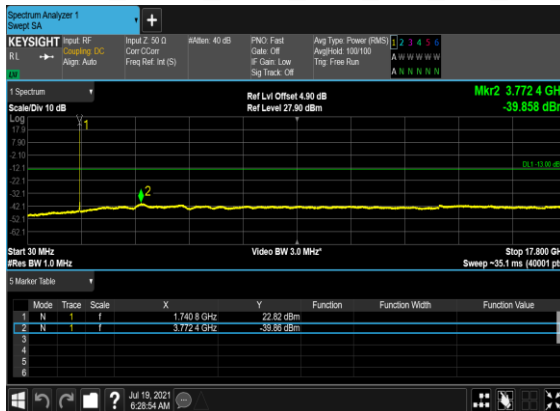
B2\_N66(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



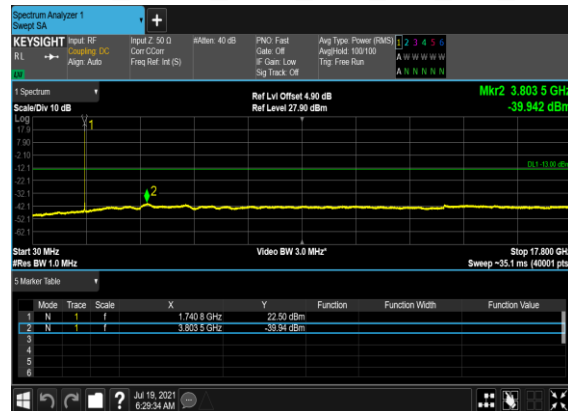
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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



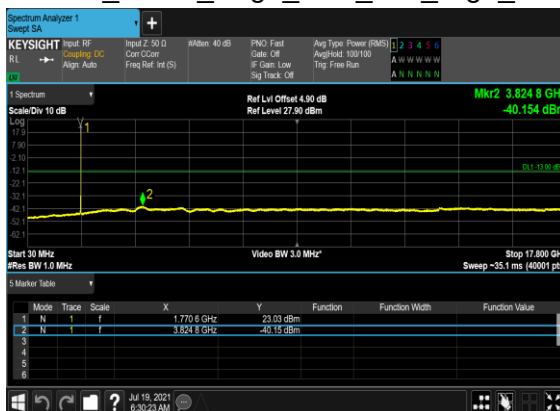
B2\_N66(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



B2\_N66(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



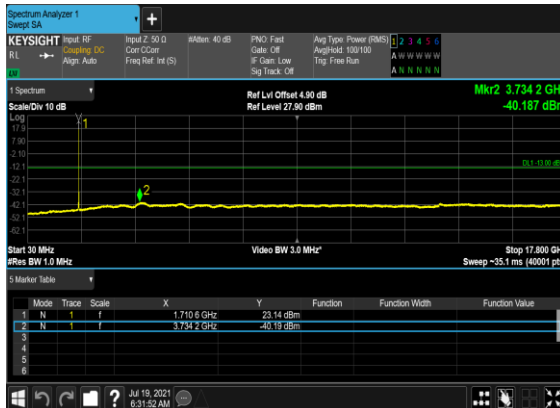
B2\_N66(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



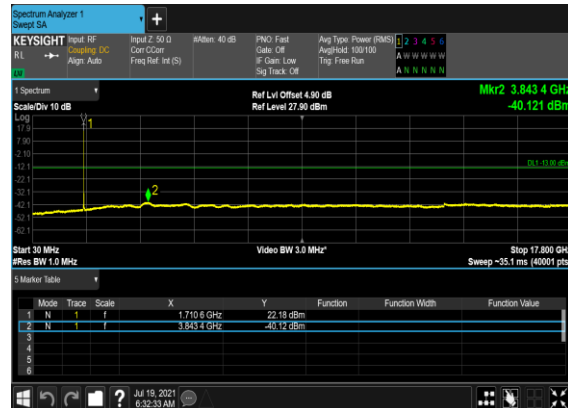
B2\_N66(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



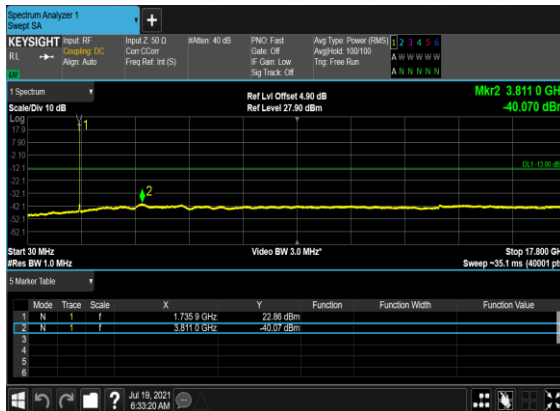
B2\_N66(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



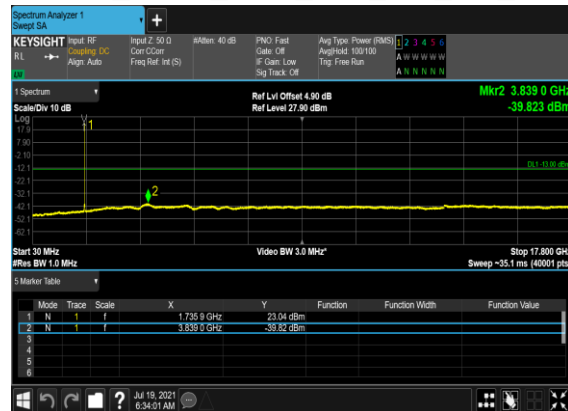
B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



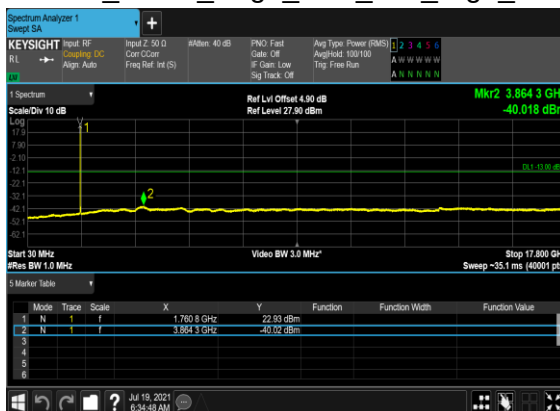
B2\_N66(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



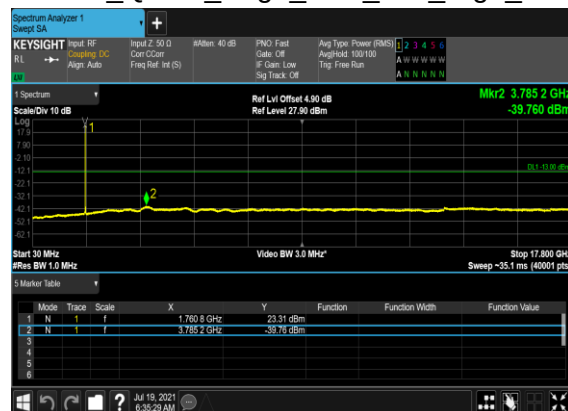
B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



B2\_N66(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



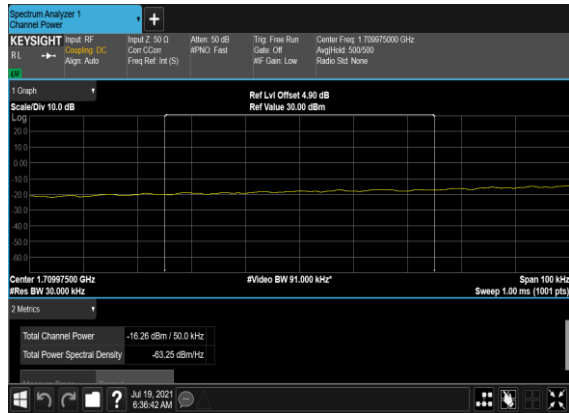
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM BPSK | 25@0  | see graph | PASS    |
| 66      | 15        | 5               | 422500 | 1712.5     | DFT-s-OFDM QPSK | 25@0  | see graph | PASS    |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM BPSK | 1@24  | see graph | PASS    |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM QPSK | 1@24  | see graph | PASS    |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM BPSK | 25@0  | see graph | PASS    |
| 66      | 15        | 5               | 435500 | 1777.5     | DFT-s-OFDM QPSK | 25@0  | see graph | PASS    |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 66      | 15        | 10              | 423000 | 1715.0     | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 66      | 15        | 10              | 435000 | 1775.0     | DFT-s-OFDM BPSK | 1@51  | see graph | PASS    |
| 66      | 15        | 10              | 435000 | 1775.0     | DFT-s-OFDM QPSK | 1@51  | see graph | PASS    |
| 66      | 15        | 10              | 435000 | 1775.0     | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 66      | 15        | 10              | 435000 | 1775.0     | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 66      | 15        | 20              | 424000 | 1720.0     | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 66      | 15        | 20              | 424000 | 1720.0     | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 66      | 15        | 20              | 424000 | 1720.0     | DFT-s-OFDM BPSK | 100@0 | see graph | PASS    |
| 66      | 15        | 20              | 424000 | 1720.0     | DFT-s-OFDM QPSK | 100@0 | see graph | PASS    |
| 66      | 15        | 20              | 434000 | 1770.0     | DFT-s-OFDM BPSK | 1@105 | see graph | PASS    |
| 66      | 15        | 20              | 434000 | 1770.0     | DFT-s-OFDM QPSK | 1@105 | see graph | PASS    |
| 66      | 15        | 20              | 434000 | 1770.0     | DFT-s-OFDM BPSK | 100@0 | see graph | PASS    |
| 66      | 15        | 20              | 434000 | 1770.0     | DFT-s-OFDM QPSK | 100@0 | see graph | PASS    |

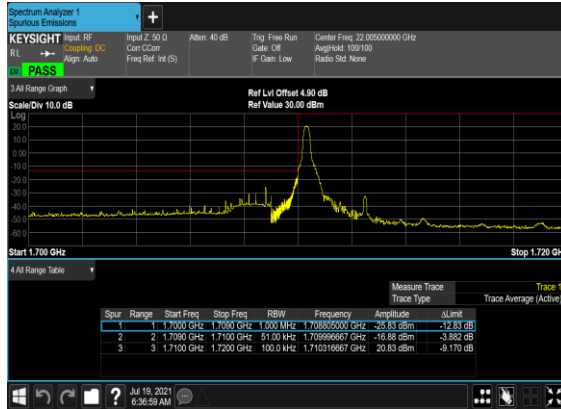
B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CH\_P  
ASS



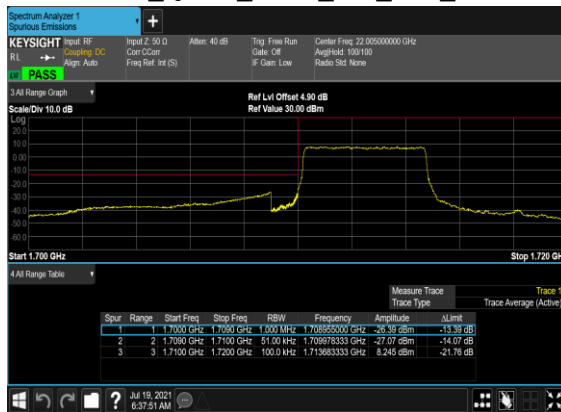
B2\_N66(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



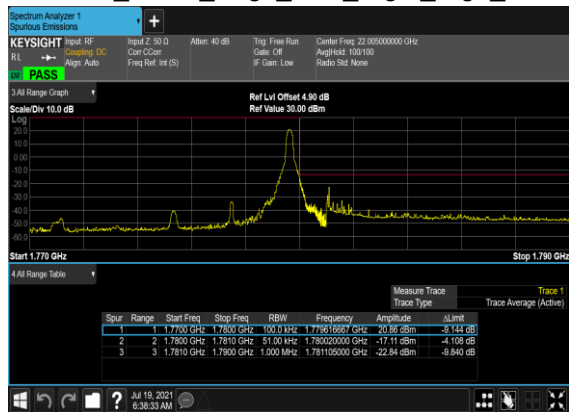
B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



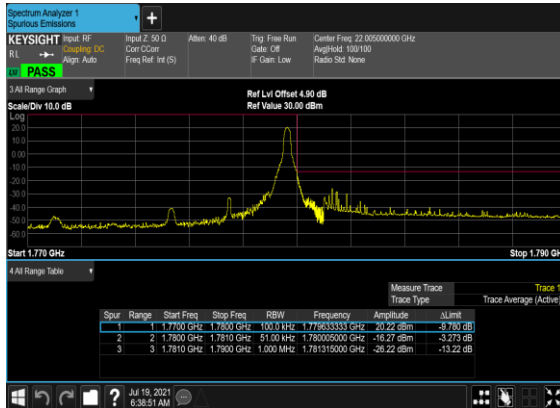
B2\_N66(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



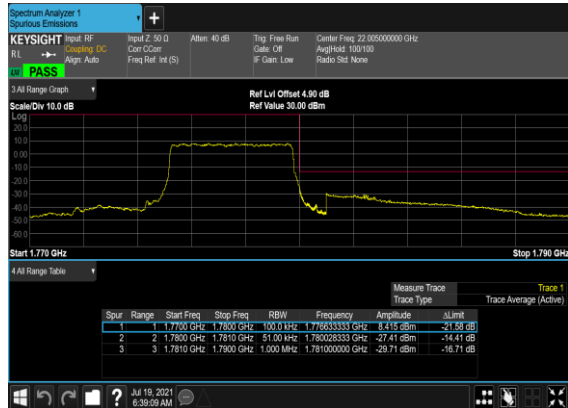
B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



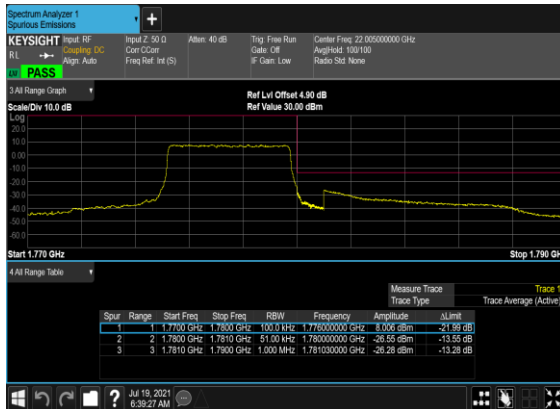
B2\_N66(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



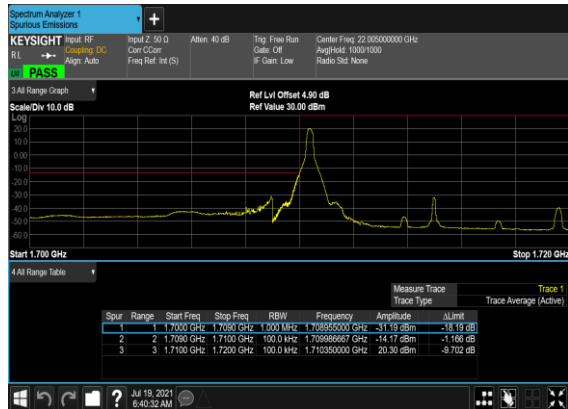
B2\_N66(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



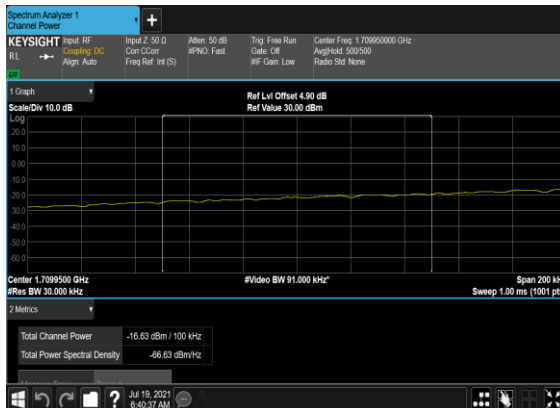
B2\_N66(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



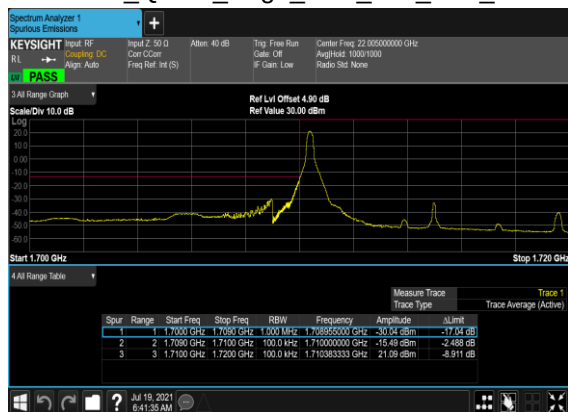
B2\_N66(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



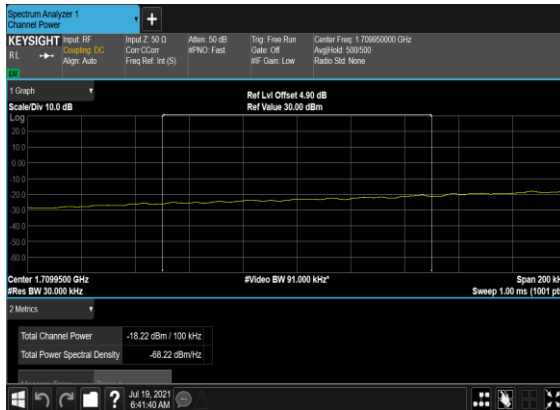
B2\_N66(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP  
PASS



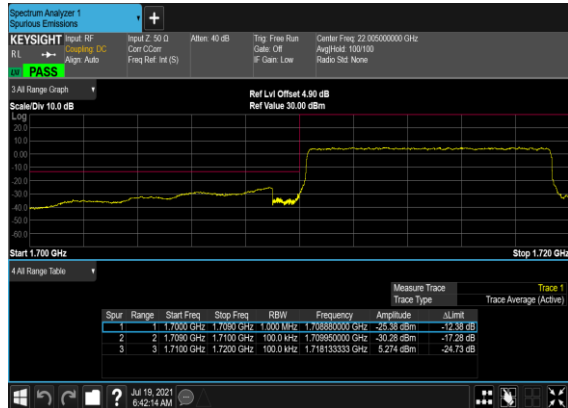
B2\_N66(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



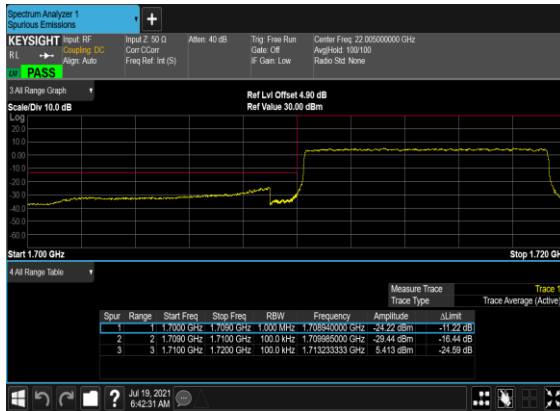
# B2\_N66(10M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_chp \_PASS



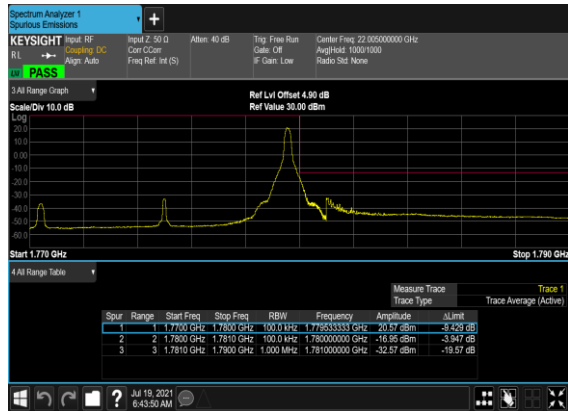
# B2\_N66(10M)\_DFT-s- OFDM\_BPSK\_Outer\_Full\_Low\_CH



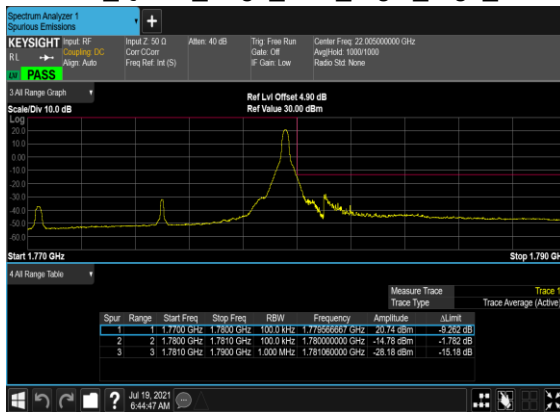
# B2\_N66(10M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Low\_CH



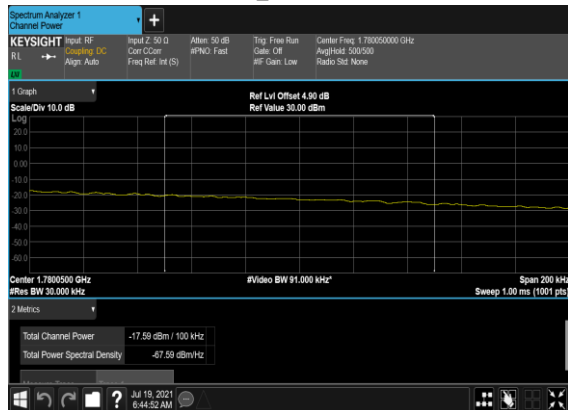
# B2\_N66(10M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



# B2\_N66(10M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



# B2\_N66(10M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_chp \_PASS



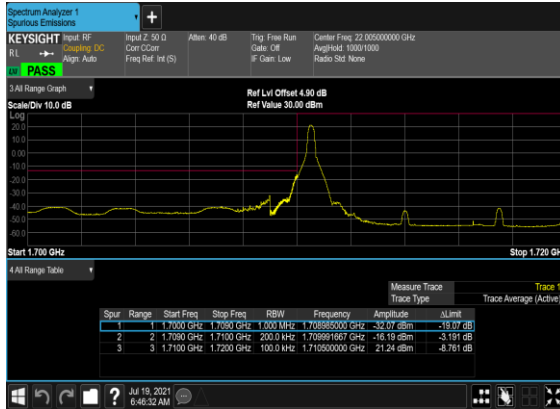
B2\_N66(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



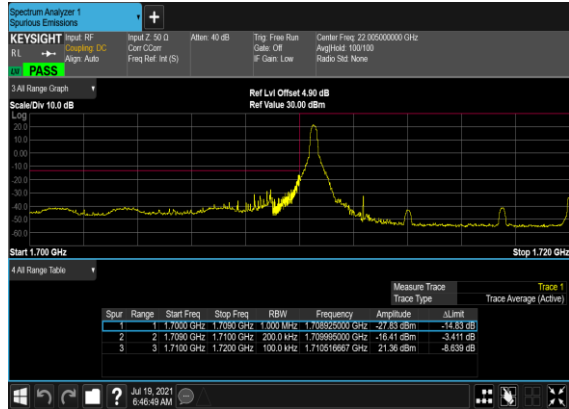
B2\_N66(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



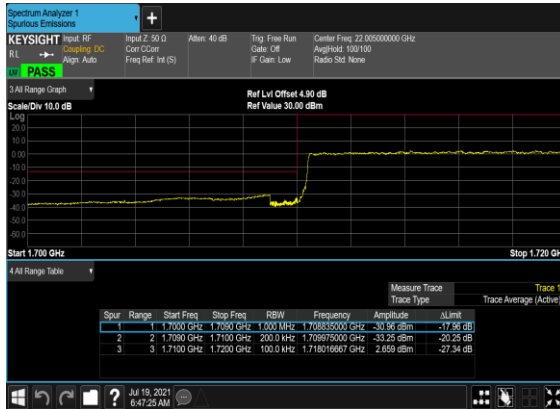
B2\_N66(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



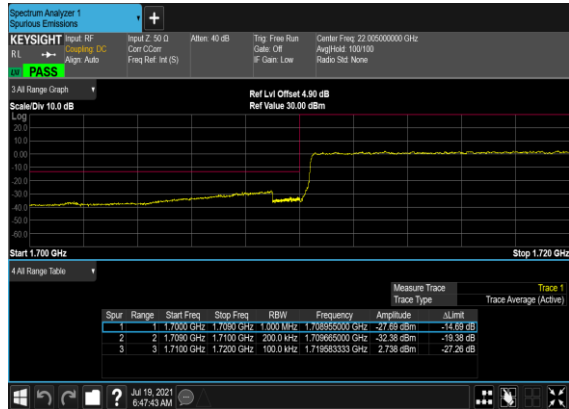
B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



B2\_N66(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

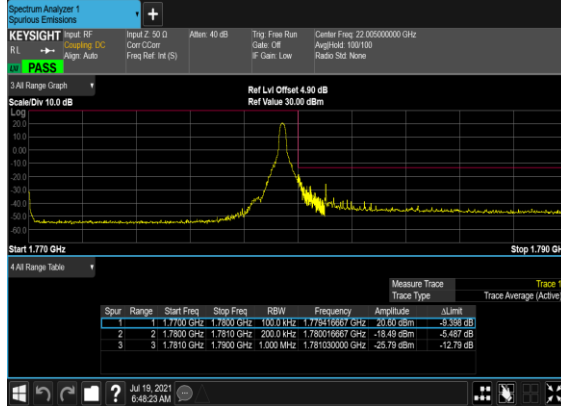


B2\_N66(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH

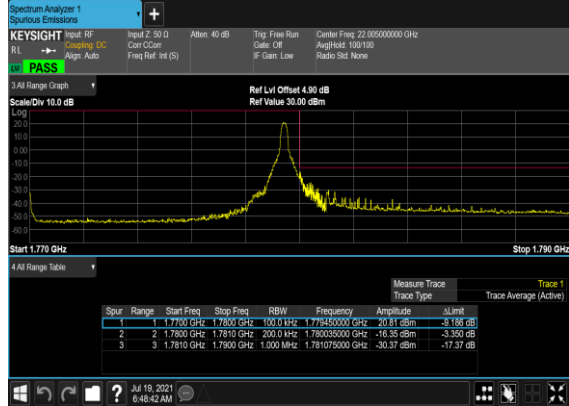




# B2\_N66(20M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



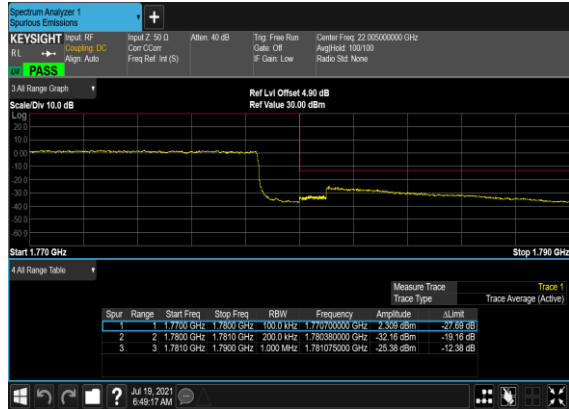
# B2\_N66(20M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



# B2\_N66(20M)\_DFT-s- OFDM\_BPSK\_Outer\_Full\_High\_CH



# B2\_N66(20M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_High\_CH



# FR1 N66

LTE Band: 48, LTE BW: 20M, LTE ARFCN: Mid

<Ant. 0>

Transmitter Conducted Output Power And ERP/EIRP, (GT - LC)=3.3dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|----------------------|------------|----------|
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM PI/2 BPSK | 50@25 | 24.52                | 27.82      | 0.6053   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.36                | 27.66      | 0.5834   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.22                | 27.52      | 0.5649   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM QPSK      | 50@25 | 24.44                | 27.74      | 0.5943   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM QPSK      | 1@1   | 24.42                | 27.72      | 0.5916   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM QPSK      | 1@104 | 24.26                | 27.56      | 0.5702   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 16 QAM    | 50@25 | 23.52                | 26.82      | 0.4808   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 16 QAM    | 1@1   | 23.62                | 26.92      | 0.4920   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 16 QAM    | 1@104 | 23.37                | 26.67      | 0.4645   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 64 QAM    | 50@25 | 22.08                | 25.38      | 0.3451   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 64 QAM    | 1@1   | 22                   | 25.3       | 0.3388   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 64 QAM    | 1@104 | 21.78                | 25.08      | 0.3221   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 256 QAM   | 50@25 | 19.96                | 23.26      | 0.2118   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 256 QAM   | 1@1   | 19.68                | 22.98      | 0.1986   |
| 66      | 15        | 20              | 424000 | 1720       | DFT-s-OFDM 256 QAM   | 1@104 | 19.51                | 22.81      | 0.1910   |
| 66      | 15        | 20              | 424000 | 1720       | CP-OFDM QPSK         | 53@26 | 22.99                | 26.29      | 0.4256   |
| 66      | 15        | 20              | 424000 | 1720       | CP-OFDM QPSK         | 1@1   | 23.05                | 26.35      | 0.4315   |
| 66      | 15        | 20              | 424000 | 1720       | CP-OFDM QPSK         | 1@104 | 22.77                | 26.07      | 0.4046   |
| 66      | 15        | 20              | 429000 | 1745       | DFT-s-OFDM PI/2      | 50@25 | 24.48                | 27.78      | 0.5998   |

|      |    |    |        |      |                      |       |       |       |        |
|------|----|----|--------|------|----------------------|-------|-------|-------|--------|
| BPSK |    |    |        |      |                      |       |       |       |        |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.22 | 27.52 | 0.5649 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.37 | 27.67 | 0.5848 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM QPSK      | 50@25 | 24.49 | 27.79 | 0.6012 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM QPSK      | 1@1   | 24.27 | 27.57 | 0.5715 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM QPSK      | 1@104 | 24.37 | 27.67 | 0.5848 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 16 QAM    | 50@25 | 23.58 | 26.88 | 0.4875 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 16 QAM    | 1@1   | 23.46 | 26.76 | 0.4742 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 16 QAM    | 1@104 | 23.53 | 26.83 | 0.4819 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 64 QAM    | 50@25 | 22.07 | 25.37 | 0.3443 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 64 QAM    | 1@1   | 21.83 | 25.13 | 0.3258 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 64 QAM    | 1@104 | 21.92 | 25.22 | 0.3327 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 256 QAM   | 50@25 | 20.1  | 23.4  | 0.2188 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 256 QAM   | 1@1   | 19.53 | 22.83 | 0.1919 |
| 66   | 15 | 20 | 429000 | 1745 | DFT-s-OFDM 256 QAM   | 1@104 | 19.59 | 22.89 | 0.1945 |
| 66   | 15 | 20 | 429000 | 1745 | CP-OFDM QPSK         | 53@26 | 23    | 26.3  | 0.4266 |
| 66   | 15 | 20 | 429000 | 1745 | CP-OFDM QPSK         | 1@1   | 22.89 | 26.19 | 0.4159 |
| 66   | 15 | 20 | 429000 | 1745 | CP-OFDM QPSK         | 1@104 | 22.93 | 26.23 | 0.4198 |
| 66   | 15 | 20 | 434000 | 1770 | DFT-s-OFDM PI/2 BPSK | 50@25 | 24.45 | 27.75 | 0.5957 |
| 66   | 15 | 20 | 434000 | 1770 | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.37 | 27.67 | 0.5848 |
| 66   | 15 | 20 | 434000 | 1770 | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.18 | 27.48 | 0.5598 |
| 66   | 15 | 20 | 434000 | 1770 | DFT-s-OFDM QPSK      | 50@25 | 24.45 | 27.75 | 0.5957 |
| 66   | 15 | 20 | 434000 | 1770 | DFT-s-OFDM QPSK      | 1@1   | 24.24 | 27.54 | 0.5675 |
| 66   | 15 | 20 | 434000 | 1770 | DFT-s-OFDM QPSK      | 1@104 | 24.2  | 27.5  | 0.5623 |
| 66   | 15 | 20 | 434000 | 1770 | DFT-s-               | 50@25 | 23.52 | 26.82 | 0.4808 |

|    |    |    |        |      |                           |       |       |       |        |
|----|----|----|--------|------|---------------------------|-------|-------|-------|--------|
|    |    |    |        |      | OFDM 16<br>QAM            |       |       |       |        |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 16<br>QAM  | 1@1   | 23.51 | 26.81 | 0.4797 |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 16<br>QAM  | 1@104 | 23.38 | 26.68 | 0.4656 |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 64<br>QAM  | 50@25 | 22.05 | 25.35 | 0.3428 |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 64<br>QAM  | 1@1   | 21.95 | 25.25 | 0.3350 |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 64<br>QAM  | 1@104 | 21.77 | 25.07 | 0.3214 |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 256<br>QAM | 50@25 | 19.96 | 23.26 | 0.2118 |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 256<br>QAM | 1@1   | 19.64 | 22.94 | 0.1968 |
| 66 | 15 | 20 | 434000 | 1770 | DFT-s-<br>OFDM 256<br>QAM | 1@104 | 19.45 | 22.75 | 0.1884 |
| 66 | 15 | 20 | 434000 | 1770 | CP-OFDM<br>QPSK           | 53@26 | 22.98 | 26.28 | 0.4246 |
| 66 | 15 | 20 | 434000 | 1770 | CP-OFDM<br>QPSK           | 1@1   | 22.96 | 26.26 | 0.4227 |
| 66 | 15 | 20 | 434000 | 1770 | CP-OFDM<br>QPSK           | 1@104 | 22.77 | 26.07 | 0.4046 |

# FR1 N77

<Ant. 4>

Transmitter Conducted Output Power And EIRP, (GT - LC)=5.0dBi

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB     | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|----------------------|--------|----------------------|------------|----------|
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 25@12  | 24.51                | 29.51      | 0.8933   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.27                | 29.27      | 0.8453   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 1@49   | 24.47                | 29.47      | 0.8851   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 25@12  | 24.46                | 29.46      | 0.8831   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 1@1    | 24.36                | 29.36      | 0.8630   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 1@49   | 24.56                | 29.56      | 0.9036   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 16 QAM    | 25@12  | 23.5                 | 28.5       | 0.7079   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 16 QAM    | 1@1    | 23.48                | 28.48      | 0.7047   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 16 QAM    | 1@49   | 23.6                 | 28.6       | 0.7244   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 64 QAM    | 25@12  | 21.95                | 26.95      | 0.4955   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 64 QAM    | 1@1    | 21.84                | 26.84      | 0.4831   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 64 QAM    | 1@49   | 22                   | 27         | 0.5012   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 256 QAM   | 25@12  | 20.01                | 25.01      | 0.3170   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 256 QAM   | 1@1    | 20.01                | 25.01      | 0.3170   |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 256 QAM   | 1@49   | 19.99                | 24.99      | 0.3155   |
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK         | 25@121 | 21.48                | 26.48      | 0.4446   |
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK         | 1@1    | 22.99                | 27.99      | 0.6295   |
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK         | 1@49   | 23.14                | 28.14      | 0.6516   |
| 77      | 30        | 20              | 656000 | 3840       | DFT-s-OFDM PI/2 BPSK | 25@12  | 24.42                | 29.42      | 0.8750   |
| 77      | 30        | 20              | 656000 | 3840       | DFT-s-OFDM PI/2      | 1@1    | 24.27                | 29.27      | 0.8453   |

|    |    |    |        |         |                      |        |       |       |        |  |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|--|
|    |    |    |        |         | BPSK                 |        |       |       |        |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@49   | 24.44 | 29.44 | 0.8790 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM QPSK      | 25@12  | 24.39 | 29.39 | 0.8690 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@1    | 24.32 | 29.32 | 0.8551 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@49   | 24.49 | 29.49 | 0.8892 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 25@12  | 23.44 | 28.44 | 0.6982 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@1    | 23.4  | 28.4  | 0.6918 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@49   | 23.6  | 28.6  | 0.7244 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 25@12  | 22.11 | 27.11 | 0.5140 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@1    | 21.81 | 26.81 | 0.4797 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@49   | 21.95 | 26.95 | 0.4955 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 25@12  | 19.91 | 24.91 | 0.3097 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@1    | 19.76 | 24.76 | 0.2992 |  |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@49   | 19.98 | 24.98 | 0.3148 |  |
| 77 | 30 | 20 | 656000 | 3840    | CP-OFDM QPSK         | 25@121 | 21.32 | 26.32 | 0.4285 |  |
| 77 | 30 | 20 | 656000 | 3840    | CP-OFDM QPSK         | 1@1    | 23.05 | 28.05 | 0.6383 |  |
| 77 | 30 | 20 | 656000 | 3840    | CP-OFDM QPSK         | 1@49   | 22.9  | 27.9  | 0.6166 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM PI/2 BPSK | 25@12  | 24.12 | 29.12 | 0.8166 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.28 | 29.28 | 0.8472 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM PI/2 BPSK | 1@49   | 24.06 | 29.06 | 0.8054 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM QPSK      | 25@12  | 24.13 | 29.13 | 0.8185 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM QPSK      | 1@1    | 24.29 | 29.29 | 0.8492 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM QPSK      | 1@49   | 24.2  | 29.2  | 0.8318 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM 16 QAM    | 25@12  | 23.14 | 28.14 | 0.6516 |  |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-               | 1@1    | 23.3  | 28.3  | 0.6761 |  |

|    |    |    |        |         |                             |        |       |       |        |
|----|----|----|--------|---------|-----------------------------|--------|-------|-------|--------|
|    |    |    |        |         | OFDM 16<br>QAM              |        |       |       |        |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-<br>OFDM 16<br>QAM    | 1@49   | 23.03 | 28.03 | 0.6353 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-<br>OFDM 64<br>QAM    | 25@12  | 21.66 | 26.66 | 0.4634 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-<br>OFDM 64<br>QAM    | 1@1    | 21.75 | 26.75 | 0.4732 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-<br>OFDM 64<br>QAM    | 1@49   | 21.55 | 26.55 | 0.4519 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-<br>OFDM 256<br>QAM   | 25@12  | 19.63 | 24.63 | 0.2904 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-<br>OFDM 256<br>QAM   | 1@1    | 19.77 | 24.77 | 0.2999 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-<br>OFDM 256<br>QAM   | 1@49   | 19.62 | 24.62 | 0.2897 |
| 77 | 30 | 20 | 664666 | 3969.99 | CP-OFDM<br>QPSK             | 25@121 | 21.11 | 26.11 | 0.4083 |
| 77 | 30 | 20 | 664666 | 3969.99 | CP-OFDM<br>QPSK             | 1@1    | 23.04 | 28.04 | 0.6368 |
| 77 | 30 | 20 | 664666 | 3969.99 | CP-OFDM<br>QPSK             | 1@49   | 22.69 | 27.69 | 0.5875 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM PI/2<br>BPSK | 50@25  | 24.28 | 29.28 | 0.8472 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1    | 24.65 | 29.65 | 0.9226 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM PI/2<br>BPSK | 1@104  | 24.25 | 29.25 | 0.8414 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM<br>QPSK      | 50@25  | 24.32 | 29.32 | 0.8551 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM<br>QPSK      | 1@1    | 24.72 | 29.72 | 0.9376 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM<br>QPSK      | 1@104  | 24.38 | 29.38 | 0.8670 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM 16<br>QAM    | 50@25  | 23.33 | 28.33 | 0.6808 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM 16<br>QAM    | 1@1    | 23.68 | 28.68 | 0.7379 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM 16<br>QAM    | 1@104  | 23.36 | 28.36 | 0.6855 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM 64<br>QAM    | 50@25  | 21.85 | 26.85 | 0.4842 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM 64<br>QAM    | 1@1    | 22.19 | 27.19 | 0.5236 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM 64<br>QAM    | 1@104  | 21.86 | 26.86 | 0.4853 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-<br>OFDM 256<br>QAM   | 50@25  | 19.85 | 24.85 | 0.3055 |

|    |    |    |        |      |                      |       |       |       |        |
|----|----|----|--------|------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 256 QAM   | 1@1   | 20.18 | 25.18 | 0.3296 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 256 QAM   | 1@104 | 19.91 | 24.91 | 0.3097 |
| 77 | 30 | 40 | 648000 | 3720 | CP-OFDM QPSK         | 53@26 | 22.81 | 27.81 | 0.6039 |
| 77 | 30 | 40 | 648000 | 3720 | CP-OFDM QPSK         | 1@1   | 23.24 | 28.24 | 0.6668 |
| 77 | 30 | 40 | 648000 | 3720 | CP-OFDM QPSK         | 1@104 | 22.93 | 27.93 | 0.6209 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 50@25 | 24.55 | 29.55 | 0.9016 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.5  | 29.5  | 0.8913 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.59 | 29.59 | 0.9099 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM QPSK      | 50@25 | 24.42 | 29.42 | 0.8750 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM QPSK      | 1@1   | 24.55 | 29.55 | 0.9016 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM QPSK      | 1@104 | 24.69 | 29.69 | 0.9311 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 16 QAM    | 50@25 | 23.54 | 28.54 | 0.7145 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 16 QAM    | 1@1   | 23.69 | 28.69 | 0.7396 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 16 QAM    | 1@104 | 23.81 | 28.81 | 0.7603 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 64 QAM    | 50@25 | 21.89 | 26.89 | 0.4887 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 64 QAM    | 1@1   | 22.14 | 27.14 | 0.5176 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 64 QAM    | 1@104 | 22.2  | 27.2  | 0.5248 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 256 QAM   | 50@25 | 19.98 | 24.98 | 0.3148 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 256 QAM   | 1@1   | 20.2  | 25.2  | 0.3311 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 256 QAM   | 1@104 | 20.11 | 25.11 | 0.3243 |
| 77 | 30 | 40 | 656000 | 3840 | CP-OFDM QPSK         | 53@26 | 22.95 | 27.95 | 0.6237 |
| 77 | 30 | 40 | 656000 | 3840 | CP-OFDM QPSK         | 1@1   | 23.18 | 28.18 | 0.6577 |
| 77 | 30 | 40 | 656000 | 3840 | CP-OFDM QPSK         | 1@104 | 23.3  | 28.3  | 0.6761 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM PI/2 BPSK | 50@25 | 24.52 | 29.52 | 0.8954 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.66 | 29.66 | 0.9247 |



|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.4  | 29.4  | 0.8710 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM QPSK      | 50@25 | 24.47 | 29.47 | 0.8851 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM QPSK      | 1@1   | 24.69 | 29.69 | 0.9311 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM QPSK      | 1@104 | 24.29 | 29.29 | 0.8492 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 16 QAM    | 50@25 | 23.41 | 28.41 | 0.6934 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 16 QAM    | 1@1   | 23.82 | 28.82 | 0.7621 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 16 QAM    | 1@104 | 23.52 | 28.52 | 0.7112 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 64 QAM    | 50@25 | 21.96 | 26.96 | 0.4966 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 64 QAM    | 1@1   | 22.22 | 27.22 | 0.5272 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 64 QAM    | 1@104 | 21.73 | 26.73 | 0.4710 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 256 QAM   | 50@25 | 19.99 | 24.99 | 0.3155 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 256 QAM   | 1@1   | 20.16 | 25.16 | 0.3281 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM 256 QAM   | 1@104 | 19.87 | 24.87 | 0.3069 |
| 77 | 30 | 40 | 664000 | 3960    | CP-OFDM QPSK         | 53@26 | 22.91 | 27.91 | 0.6180 |
| 77 | 30 | 40 | 664000 | 3960    | CP-OFDM QPSK         | 1@1   | 23.45 | 28.45 | 0.6998 |
| 77 | 30 | 40 | 664000 | 3960    | CP-OFDM QPSK         | 1@104 | 22.95 | 27.95 | 0.6237 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM PI/2 BPSK | 64@32 | 24.18 | 29.18 | 0.8279 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM PI/2 BPSK | 1@1   | 23.93 | 28.93 | 0.7816 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM PI/2 BPSK | 1@131 | 23.98 | 28.98 | 0.7907 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK      | 64@32 | 24.13 | 29.13 | 0.8185 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK      | 1@1   | 24.03 | 29.03 | 0.7998 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK      | 1@131 | 23.9  | 28.9  | 0.7762 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM    | 64@32 | 23.11 | 28.11 | 0.6471 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM    | 1@1   | 23.07 | 28.07 | 0.6412 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM    | 1@131 | 22.98 | 27.98 | 0.6281 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 64 QAM    | 64@32 | 21.66 | 26.66 | 0.4634 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 64 QAM    | 1@1   | 21.58 | 26.58 | 0.4550 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 64 QAM    | 1@131 | 21.46 | 26.46 | 0.4426 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 256 QAM   | 64@32 | 19.48 | 24.48 | 0.2805 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 256 QAM   | 1@1   | 19.53 | 24.53 | 0.2838 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 256 QAM   | 1@131 | 19.53 | 24.53 | 0.2838 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM QPSK         | 67@33 | 22.62 | 27.62 | 0.5781 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM QPSK         | 1@1   | 22.54 | 27.54 | 0.5675 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM QPSK         | 1@131 | 22.79 | 27.79 | 0.6012 |
| 77 | 30 | 50 | 656000 | 3725.01 | DFT-s-OFDM PI/2 BPSK | 64@32 | 23.88 | 28.88 | 0.7727 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@1   | 23.86 | 28.86 | 0.7691 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@131 | 23.99 | 28.99 | 0.7925 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM QPSK      | 64@32 | 24.09 | 29.09 | 0.8110 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@1   | 23.9  | 28.9  | 0.7762 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@131 | 24.11 | 29.11 | 0.8147 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 64@32 | 23.13 | 28.13 | 0.6501 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@1   | 23.01 | 28.01 | 0.6324 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@131 | 23.19 | 28.19 | 0.6592 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 64@32 | 21.56 | 26.56 | 0.4529 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@1   | 21.48 | 26.48 | 0.4446 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@131 | 21.41 | 26.41 | 0.4375 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 64@32 | 19.56 | 24.56 | 0.2858 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@1   | 19.36 | 24.36 | 0.2729 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@131 | 19.58 | 24.58 | 0.2871 |
| 77 | 30 | 50 | 656000 | 3840    | CP-OFDM QPSK         | 67@33 | 22.54 | 27.54 | 0.5675 |
| 77 | 30 | 50 | 656000 | 3840    | CP-OFDM QPSK         | 1@1   | 22.47 | 27.47 | 0.5585 |
| 77 | 30 | 50 | 656000 | 3840    | CP-OFDM QPSK         | 1@131 | 22.68 | 27.68 | 0.5861 |
| 77 | 30 | 50 | 663666 | 3840    | DFT-s-OFDM PI/2 BPSK | 64@32 | 23.79 | 28.79 | 0.7568 |
| 77 | 30 | 50 | 663666 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@1   | 23.84 | 28.84 | 0.7656 |
| 77 | 30 | 50 | 663666 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@131 | 24.02 | 29.02 | 0.7980 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK      | 64@32 | 23.86 | 28.86 | 0.7691 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK      | 1@1   | 24.25 | 29.25 | 0.8414 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK      | 1@131 | 23.63 | 28.63 | 0.7295 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 16 QAM    | 64@32 | 22.94 | 27.94 | 0.6223 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 16 QAM    | 1@1   | 23.24 | 28.24 | 0.6668 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 16 QAM    | 1@131 | 22.78 | 27.78 | 0.5998 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 64 QAM    | 64@32 | 21.47 | 26.47 | 0.4436 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 64 QAM    | 1@1   | 21.89 | 26.89 | 0.4887 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 64 QAM    | 1@131 | 21.09 | 26.09 | 0.4064 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 256 QAM   | 64@32 | 19.43 | 24.43 | 0.2773 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 256 QAM   | 1@1   | 19.8  | 24.8  | 0.3020 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 256 QAM   | 1@131 | 19.72 | 24.72 | 0.2965 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM QPSK         | 67@33 | 22.45 | 27.45 | 0.5559 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM QPSK         | 1@1   | 22.88 | 27.88 | 0.6138 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM QPSK         | 1@131 | 22.18 | 27.18 | 0.5224 |
| 77 | 30 | 60 | 648668 | 3960    | DFT-s-OFDM PI/2 BPSK | 81@40 | 24.11 | 29.11 | 0.8147 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.15 | 29.15 | 0.8222 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM PI/2 BPSK | 1@160 | 24.3  | 29.3  | 0.8511 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM QPSK      | 81@40 | 24.41 | 29.41 | 0.8730 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM QPSK      | 1@1   | 24.28 | 29.28 | 0.8472 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM QPSK      | 1@160 | 24.26 | 29.26 | 0.8433 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 16 QAM    | 81@40 | 23.43 | 28.43 | 0.6966 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 16 QAM    | 1@1   | 23.35 | 28.35 | 0.6839 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 16 QAM    | 1@160 | 23.48 | 28.48 | 0.7047 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 64 QAM    | 81@40 | 22.02 | 27.02 | 0.5035 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 64 QAM    | 1@1   | 21.83 | 26.83 | 0.4819 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 64 QAM    | 1@160 | 21.77 | 26.77 | 0.4753 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 256 QAM   | 81@40 | 19.87 | 24.87 | 0.3069 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 256 QAM   | 1@1   | 20    | 25    | 0.3162 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 256 QAM   | 1@160 | 19.6  | 24.6  | 0.2884 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM QPSK         | 81@40 | 22.88 | 27.88 | 0.6138 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM QPSK         | 1@1   | 22.94 | 27.94 | 0.6223 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM QPSK         | 1@160 | 22.75 | 27.75 | 0.5957 |
| 77 | 30 | 60 | 656000 | 3730.02 | DFT-s-OFDM PI/2 BPSK | 81@40 | 24.21 | 29.21 | 0.8337 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.1  | 29.1  | 0.8128 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@160 | 24.32 | 29.32 | 0.8551 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM QPSK      | 81@40 | 24.32 | 29.32 | 0.8551 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@1   | 24.2  | 29.2  | 0.8318 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@160 | 24.45 | 29.45 | 0.8810 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 81@40 | 23.3  | 28.3  | 0.6761 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@1   | 23.34 | 28.34 | 0.6823 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@160 | 23.5  | 28.5  | 0.7079 |

|    |    |    |        |         |                      |       |       |       |        |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 81@40 | 21.8  | 26.8  | 0.4786 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@1   | 21.64 | 26.64 | 0.4613 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@160 | 21.8  | 26.8  | 0.4786 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 81@40 | 19.8  | 24.8  | 0.3020 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@1   | 19.67 | 24.67 | 0.2931 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@160 | 20.04 | 25.04 | 0.3192 |
| 77 | 30 | 60 | 656000 | 3840    | CP-OFDM QPSK         | 81@40 | 22.69 | 27.69 | 0.5875 |
| 77 | 30 | 60 | 656000 | 3840    | CP-OFDM QPSK         | 1@1   | 22.81 | 27.81 | 0.6039 |
| 77 | 30 | 60 | 656000 | 3840    | CP-OFDM QPSK         | 1@160 | 22.86 | 27.86 | 0.6109 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM PI/2 BPSK | 81@40 | 23.2  | 28.2  | 0.6607 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.28 | 29.28 | 0.8472 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM PI/2 BPSK | 1@160 | 23.56 | 28.56 | 0.7178 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM QPSK      | 81@40 | 23.99 | 28.99 | 0.7925 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM QPSK      | 1@1   | 24.24 | 29.24 | 0.8395 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM QPSK      | 1@160 | 23.58 | 28.58 | 0.7211 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 16 QAM    | 81@40 | 23.04 | 28.04 | 0.6368 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 16 QAM    | 1@1   | 23.34 | 28.34 | 0.6823 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 16 QAM    | 1@160 | 22.71 | 27.71 | 0.5902 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 64 QAM    | 81@40 | 21.57 | 26.57 | 0.4539 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 64 QAM    | 1@1   | 21.59 | 26.59 | 0.4560 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 64 QAM    | 1@160 | 21.27 | 26.27 | 0.4236 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 256 QAM   | 81@40 | 19.56 | 24.56 | 0.2858 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 256 QAM   | 1@1   | 19.87 | 24.87 | 0.3069 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 256 QAM   | 1@160 | 19.02 | 24.02 | 0.2523 |

|    |    |    |        |         |                             |        |       |       |        |
|----|----|----|--------|---------|-----------------------------|--------|-------|-------|--------|
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>QPSK             | 81@40  | 22.58 | 27.58 | 0.5728 |
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>QPSK             | 1@1    | 23.02 | 28.02 | 0.6339 |
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>QPSK             | 1@160  | 22.22 | 27.22 | 0.5272 |
| 77 | 30 | 80 | 649334 | 3949.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 108@54 | 24.15 | 29.15 | 0.8222 |
| 77 | 30 | 80 | 649334 | 3949.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1    | 24.33 | 29.33 | 0.8570 |
| 77 | 30 | 80 | 649334 | 3949.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@215  | 24.32 | 29.32 | 0.8551 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM<br>QPSK      | 108@54 | 24.28 | 29.28 | 0.8472 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM<br>QPSK      | 1@1    | 24.43 | 29.43 | 0.8770 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM<br>QPSK      | 1@215  | 24.51 | 29.51 | 0.8933 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 16<br>QAM    | 108@54 | 23.41 | 28.41 | 0.6934 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 16<br>QAM    | 1@1    | 23.45 | 28.45 | 0.6998 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 16<br>QAM    | 1@215  | 23.57 | 28.57 | 0.7194 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 64<br>QAM    | 108@54 | 21.94 | 26.94 | 0.4943 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 64<br>QAM    | 1@1    | 21.85 | 26.85 | 0.4842 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 64<br>QAM    | 1@215  | 21.99 | 26.99 | 0.5000 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 256<br>QAM   | 108@54 | 19.62 | 24.62 | 0.2897 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 256<br>QAM   | 1@1    | 19.73 | 24.73 | 0.2972 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-<br>OFDM 256<br>QAM   | 1@215  | 20.05 | 25.05 | 0.3199 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>QPSK             | 109@54 | 22.82 | 27.82 | 0.6053 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>QPSK             | 1@1    | 23.04 | 28.04 | 0.6368 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>QPSK             | 1@215  | 22.85 | 27.85 | 0.6095 |
| 77 | 30 | 80 | 656000 | 3740.01 | DFT-s-<br>OFDM PI/2<br>BPSK | 108@54 | 24.13 | 29.13 | 0.8185 |
| 77 | 30 | 80 | 656000 | 3740.01 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1    | 24.33 | 29.33 | 0.8570 |
| 77 | 30 | 80 | 656000 | 3740.01 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@215  | 24.34 | 29.34 | 0.8590 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-<br>OFDM<br>QPSK      | 108@54 | 24.28 | 29.28 | 0.8472 |

|    |    |    |        |         |                      |        |       |       |        |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@1    | 24.38 | 29.38 | 0.8670 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM QPSK      | 1@215  | 24.51 | 29.51 | 0.8933 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 108@54 | 23.4  | 28.4  | 0.6918 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@1    | 23.4  | 28.4  | 0.6918 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 16 QAM    | 1@215  | 23.32 | 28.32 | 0.6792 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 108@54 | 21.83 | 26.83 | 0.4819 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@1    | 21.89 | 26.89 | 0.4887 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 64 QAM    | 1@215  | 21.74 | 26.74 | 0.4721 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 108@54 | 19.83 | 24.83 | 0.3041 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@1    | 19.78 | 24.78 | 0.3006 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM 256 QAM   | 1@215  | 19.93 | 24.93 | 0.3112 |
| 77 | 30 | 80 | 656000 | 3840    | CP-OFDM QPSK         | 109@54 | 22.78 | 27.78 | 0.5998 |
| 77 | 30 | 80 | 656000 | 3840    | CP-OFDM QPSK         | 1@1    | 22.82 | 27.82 | 0.6053 |
| 77 | 30 | 80 | 656000 | 3840    | CP-OFDM QPSK         | 1@215  | 22.84 | 27.84 | 0.6081 |
| 77 | 30 | 80 | 662666 | 3840    | DFT-s-OFDM PI/2 BPSK | 108@54 | 24.22 | 29.22 | 0.8356 |
| 77 | 30 | 80 | 662666 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.26 | 29.26 | 0.8433 |
| 77 | 30 | 80 | 662666 | 3840    | DFT-s-OFDM PI/2 BPSK | 1@215  | 24.46 | 29.46 | 0.8831 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM QPSK      | 108@54 | 24.12 | 29.12 | 0.8166 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM QPSK      | 1@1    | 24.58 | 29.58 | 0.9078 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM QPSK      | 1@215  | 23.57 | 28.57 | 0.7194 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 16 QAM    | 108@54 | 23.19 | 28.19 | 0.6592 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 16 QAM    | 1@1    | 23.47 | 28.47 | 0.7031 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 16 QAM    | 1@215  | 22.49 | 27.49 | 0.5610 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 64 QAM    | 108@54 | 21.69 | 26.69 | 0.4667 |

|    |    |    |        |         |                      |        |       |       |        |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 64 QAM    | 1@1    | 22.22 | 27.22 | 0.5272 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 64 QAM    | 1@215  | 21.16 | 26.16 | 0.4130 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 256 QAM   | 108@54 | 20.16 | 25.16 | 0.3281 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 256 QAM   | 1@1    | 20.02 | 25.02 | 0.3177 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 256 QAM   | 1@215  | 18.9  | 23.9  | 0.2455 |
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM QPSK         | 109@54 | 22.64 | 27.64 | 0.5808 |
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM QPSK         | 1@1    | 23.17 | 28.17 | 0.6561 |
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM QPSK         | 1@215  | 22.02 | 27.02 | 0.5035 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM PI/2 BPSK | 120@60 | 24.16 | 29.16 | 0.8241 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM PI/2 BPSK | 1@1    | 23.93 | 28.93 | 0.7816 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM PI/2 BPSK | 1@243  | 24.14 | 29.14 | 0.8204 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM QPSK      | 120@60 | 23.87 | 28.87 | 0.7709 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM QPSK      | 1@1    | 23.94 | 28.94 | 0.7834 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM QPSK      | 1@243  | 24.23 | 29.23 | 0.8375 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 16 QAM    | 120@60 | 22.92 | 27.92 | 0.6194 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 16 QAM    | 1@1    | 23.19 | 28.19 | 0.6592 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 16 QAM    | 1@243  | 23.32 | 28.32 | 0.6792 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 64 QAM    | 120@60 | 21.44 | 26.44 | 0.4406 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 64 QAM    | 1@1    | 21.55 | 26.55 | 0.4519 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 64 QAM    | 1@243  | 21.83 | 26.83 | 0.4819 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 256 QAM   | 120@60 | 19.49 | 24.49 | 0.2812 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 256 QAM   | 1@1    | 19.45 | 24.45 | 0.2786 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 256 QAM   | 1@243  | 19.83 | 24.83 | 0.3041 |
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM QPSK         | 123@61 | 22.41 | 27.41 | 0.5508 |



|    |    |    |        |         |                             |        |       |       |        |
|----|----|----|--------|---------|-----------------------------|--------|-------|-------|--------|
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM<br>QPSK             | 1@1    | 22.54 | 27.54 | 0.5675 |
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM<br>QPSK             | 1@243  | 22.82 | 27.82 | 0.6053 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM PI/2<br>BPSK | 120@60 | 24    | 29    | 0.7943 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1    | 24.08 | 29.08 | 0.8091 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM PI/2<br>BPSK | 1@243  | 24.09 | 29.09 | 0.8110 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM<br>QPSK      | 120@60 | 24.06 | 29.06 | 0.8054 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM<br>QPSK      | 1@1    | 24.02 | 29.02 | 0.7980 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM<br>QPSK      | 1@243  | 23.99 | 28.99 | 0.7925 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 16<br>QAM    | 120@60 | 23.08 | 28.08 | 0.6427 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 16<br>QAM    | 1@1    | 22.96 | 27.96 | 0.6252 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 16<br>QAM    | 1@243  | 22.94 | 27.94 | 0.6223 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 64<br>QAM    | 120@60 | 21.37 | 26.37 | 0.4335 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 64<br>QAM    | 1@1    | 21.58 | 26.58 | 0.4550 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 64<br>QAM    | 1@243  | 21.61 | 26.61 | 0.4581 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 256<br>QAM   | 120@60 | 19.67 | 24.67 | 0.2931 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 256<br>QAM   | 1@1    | 19.38 | 24.38 | 0.2742 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-<br>OFDM 256<br>QAM   | 1@243  | 19.47 | 24.47 | 0.2799 |
| 77 | 30 | 90 | 656000 | 3840    | CP-OFDM<br>QPSK             | 123@61 | 22.55 | 27.55 | 0.5689 |
| 77 | 30 | 90 | 656000 | 3840    | CP-OFDM<br>QPSK             | 1@1    | 22.63 | 27.63 | 0.5794 |
| 77 | 30 | 90 | 656000 | 3840    | CP-OFDM<br>QPSK             | 1@243  | 22.61 | 27.61 | 0.5768 |
| 77 | 30 | 90 | 662332 | 3934.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 120@60 | 23.96 | 28.96 | 0.7870 |
| 77 | 30 | 90 | 662332 | 3934.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1    | 24.34 | 29.34 | 0.8590 |
| 77 | 30 | 90 | 662332 | 3934.98 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@243  | 23.24 | 28.24 | 0.6668 |
| 77 | 30 | 90 | 662332 | 3934.98 | DFT-s-<br>OFDM<br>QPSK      | 120@60 | 23.91 | 28.91 | 0.7780 |
| 77 | 30 | 90 | 662332 | 3934.98 | DFT-s-<br>OFDM              | 1@1    | 24.31 | 29.31 | 0.8531 |

|    |    |     |        |         |                      |        |       |       |        |  |
|----|----|-----|--------|---------|----------------------|--------|-------|-------|--------|--|
|    |    |     |        |         | QPSK                 |        |       |       |        |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM QPSK      | 1@243  | 23.19 | 28.19 | 0.6592 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 16 QAM    | 120@60 | 22.9  | 27.9  | 0.6166 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 16 QAM    | 1@1    | 23.4  | 28.4  | 0.6918 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 16 QAM    | 1@243  | 22.36 | 27.36 | 0.5445 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 64 QAM    | 120@60 | 21.23 | 26.23 | 0.4198 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 64 QAM    | 1@1    | 21.89 | 26.89 | 0.4887 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 64 QAM    | 1@243  | 20.84 | 25.84 | 0.3837 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 256 QAM   | 120@60 | 19.4  | 24.4  | 0.2754 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 256 QAM   | 1@1    | 19.71 | 24.71 | 0.2958 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM 256 QAM   | 1@243  | 18.77 | 23.77 | 0.2382 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM QPSK         | 123@61 | 22.33 | 27.33 | 0.5408 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM QPSK         | 1@1    | 22.82 | 27.82 | 0.6053 |  |
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM QPSK         | 1@243  | 21.87 | 26.87 | 0.4864 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 135@67 | 24.27 | 29.27 | 0.8453 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 1@1    | 24.19 | 29.19 | 0.8299 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 1@271  | 24.57 | 29.57 | 0.9057 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM QPSK      | 135@67 | 24.24 | 29.24 | 0.8395 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 24.34 | 29.34 | 0.8590 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@271  | 24.5  | 29.5  | 0.8913 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 135@67 | 23.27 | 28.27 | 0.6714 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 23.48 | 28.48 | 0.7047 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@271  | 23.58 | 28.58 | 0.7211 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM 64 QAM    | 135@67 | 21.84 | 26.84 | 0.4831 |  |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-               | 1@1    | 22.02 | 27.02 | 0.5035 |  |

|    |    |     |        |      |                             |        |       |       |        |
|----|----|-----|--------|------|-----------------------------|--------|-------|-------|--------|
|    |    |     |        |      | OFDM 64<br>QAM              |        |       |       |        |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-<br>OFDM 64<br>QAM    | 1@271  | 21.93 | 26.93 | 0.4932 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-<br>OFDM 256<br>QAM   | 135@67 | 19.77 | 24.77 | 0.2999 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-<br>OFDM 256<br>QAM   | 1@1    | 19.77 | 24.77 | 0.2999 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-<br>OFDM 256<br>QAM   | 1@271  | 19.97 | 24.97 | 0.3141 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM<br>QPSK             | 137@68 | 22.74 | 27.74 | 0.5943 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM<br>QPSK             | 1@1    | 22.77 | 27.77 | 0.5984 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM<br>QPSK             | 1@271  | 23.17 | 28.17 | 0.6561 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM PI/2<br>BPSK | 135@67 | 24.36 | 29.36 | 0.8630 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1    | 24.37 | 29.37 | 0.8650 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@271  | 24.48 | 29.48 | 0.8872 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM<br>QPSK      | 135@67 | 24.33 | 29.33 | 0.8570 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM<br>QPSK      | 1@1    | 24.3  | 29.3  | 0.8511 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM<br>QPSK      | 1@271  | 24.49 | 29.49 | 0.8892 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 16<br>QAM    | 135@67 | 23.39 | 28.39 | 0.6902 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 16<br>QAM    | 1@1    | 23.48 | 28.48 | 0.7047 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 16<br>QAM    | 1@271  | 23.55 | 28.55 | 0.7161 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 64<br>QAM    | 135@67 | 21.95 | 26.95 | 0.4955 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 64<br>QAM    | 1@1    | 21.8  | 26.8  | 0.4786 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 64<br>QAM    | 1@271  | 21.98 | 26.98 | 0.4989 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 256<br>QAM   | 135@67 | 19.88 | 24.88 | 0.3076 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 256<br>QAM   | 1@1    | 19.93 | 24.93 | 0.3112 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-<br>OFDM 256<br>QAM   | 1@271  | 20.04 | 25.04 | 0.3192 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM<br>QPSK             | 137@68 | 22.82 | 27.82 | 0.6053 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM<br>QPSK             | 1@1    | 22.94 | 27.94 | 0.6223 |

|    |    |     |        |      |                             |        |       |       |        |
|----|----|-----|--------|------|-----------------------------|--------|-------|-------|--------|
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM<br>QPSK             | 1@271  | 23.19 | 28.19 | 0.6592 |
| 77 | 30 | 100 | 662000 | 3840 | DFT-s-<br>OFDM PI/2<br>BPSK | 135@67 | 23.88 | 28.88 | 0.7727 |
| 77 | 30 | 100 | 662000 | 3840 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@1    | 23.49 | 28.49 | 0.7063 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM PI/2<br>BPSK | 1@271  | 23.67 | 28.67 | 0.7362 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM<br>QPSK      | 135@67 | 24.28 | 29.28 | 0.8472 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM<br>QPSK      | 1@1    | 24.76 | 29.76 | 0.9462 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM<br>QPSK      | 1@271  | 23.61 | 28.61 | 0.7261 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 16<br>QAM    | 135@67 | 23.28 | 28.28 | 0.6730 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 16<br>QAM    | 1@1    | 23.74 | 28.74 | 0.7482 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 16<br>QAM    | 1@271  | 22.71 | 27.71 | 0.5902 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 64<br>QAM    | 135@67 | 21.89 | 26.89 | 0.4887 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 64<br>QAM    | 1@1    | 22.56 | 27.56 | 0.5702 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 64<br>QAM    | 1@271  | 20.99 | 25.99 | 0.3972 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 256<br>QAM   | 135@67 | 20.68 | 25.68 | 0.3698 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-<br>OFDM 256<br>QAM   | 1@1    | 20.11 | 25.11 | 0.3243 |

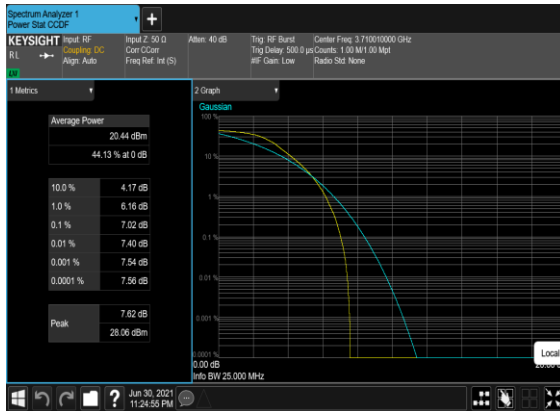
## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------------|---------|-------------|
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00503        | PASS    | NV          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00383        | PASS    | LV          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00593        | PASS    | HV          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00914        | PASS    | -30°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00522        | PASS    | -20°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00465        | PASS    | -10°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00843        | PASS    | 0°C         |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00772        | PASS    | 10°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00271        | PASS    | 20°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00385        | PASS    | 30°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.0039         | PASS    | 40°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 270@0 | -0.00465        | PASS    | 50°C        |

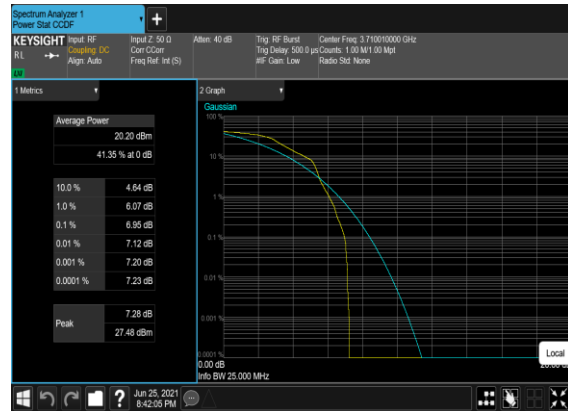
## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|------|-------------|------------|---------|
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.02        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 1@0  | 6.95        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 1@50 | 6.91        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 50@0 | 8.04        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 1@0  | 6.94        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 1@50 | 6.62        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 50@0 | 6.96        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 1@0  | 6.8         | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 1@50 | 6.7         | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 50@0 | 7.75        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 1@0  | 7.97        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 1@50 | 7.07        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM PI/2 BPSK | 50@0 | 6.9         | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM PI/2 BPSK | 1@0  | 7.43        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM PI/2 BPSK | 1@50 | 6.7         | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM QPSK      | 50@0 | 7.8         | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM QPSK      | 1@0  | 7.44        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM QPSK      | 1@50 | 7.15        | 13         | PASS    |

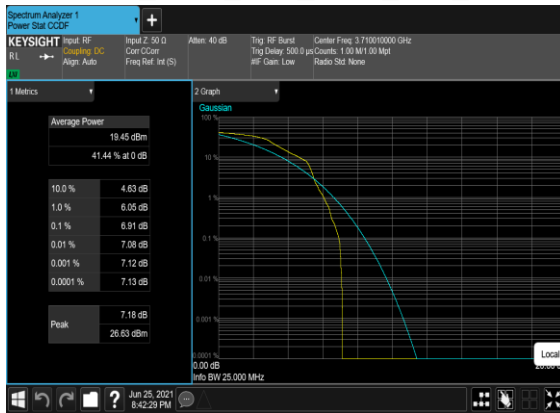
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



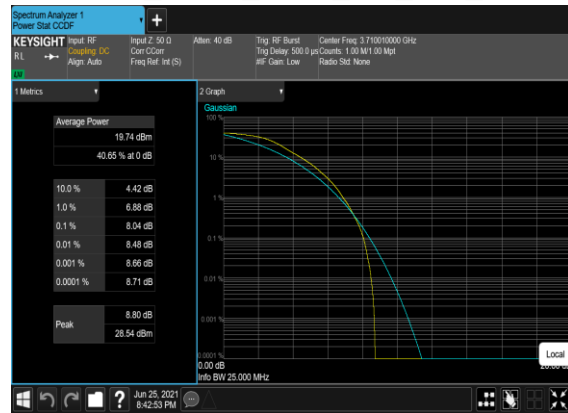
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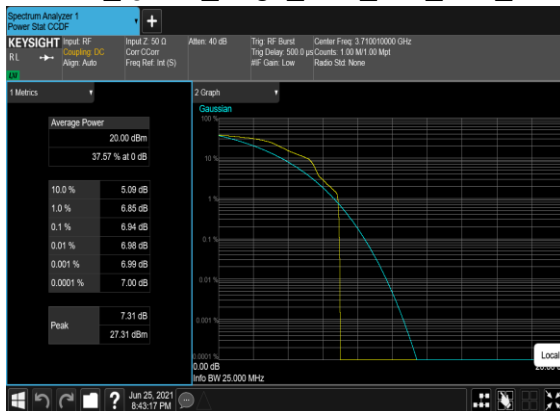
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Right\_Low\_CH



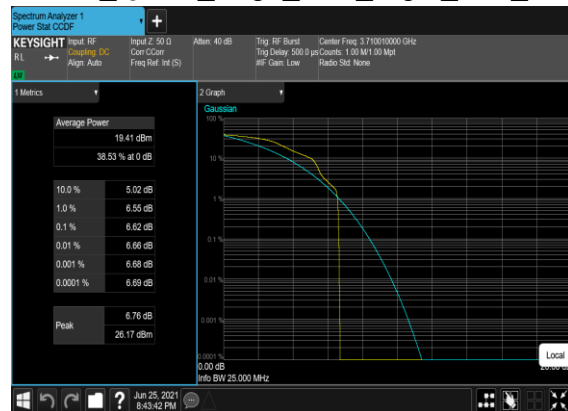
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



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



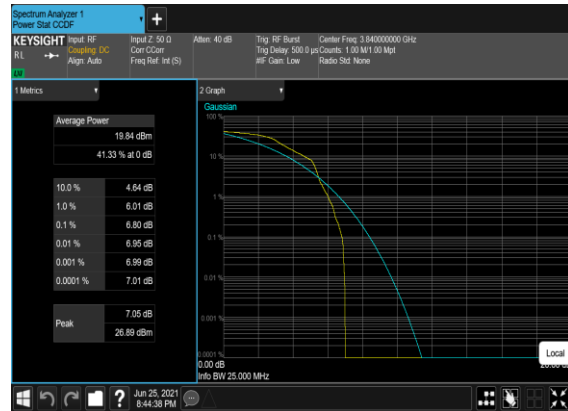
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



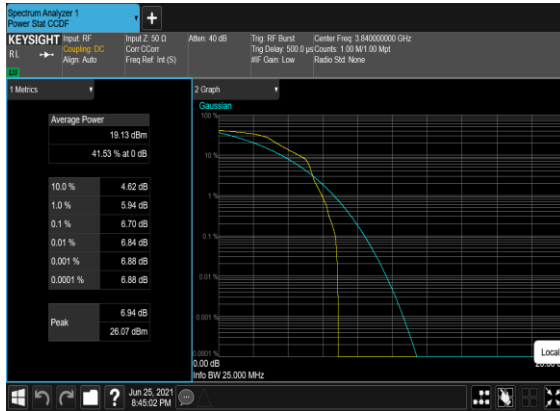
N77(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



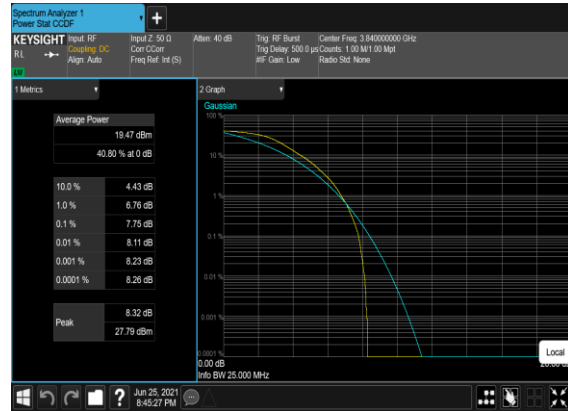
N77(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Edge\_1RB\_Left\_Mid\_CH



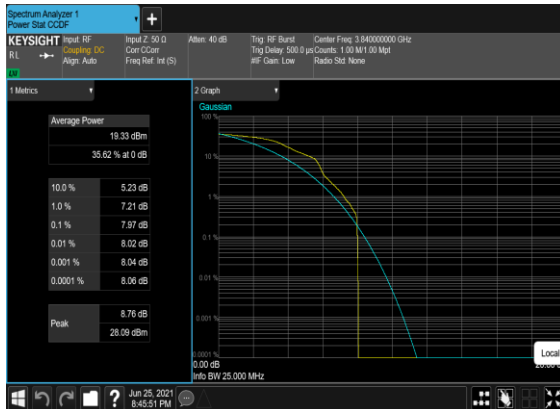
N77(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Edge\_1RB\_Right\_Mid\_CH



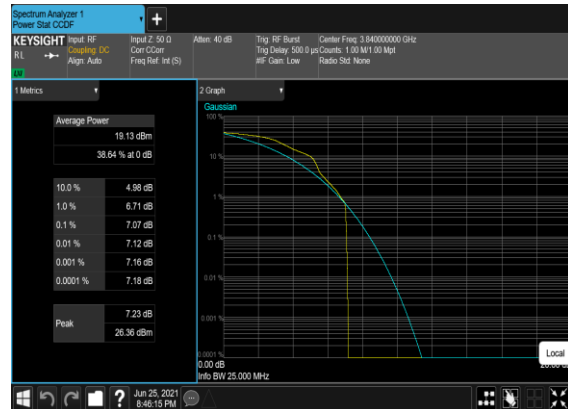
N77(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



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

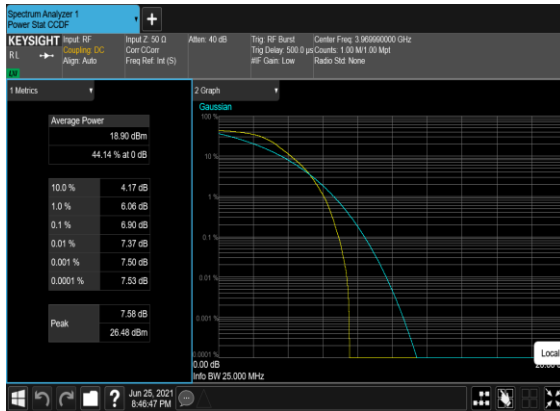


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OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH

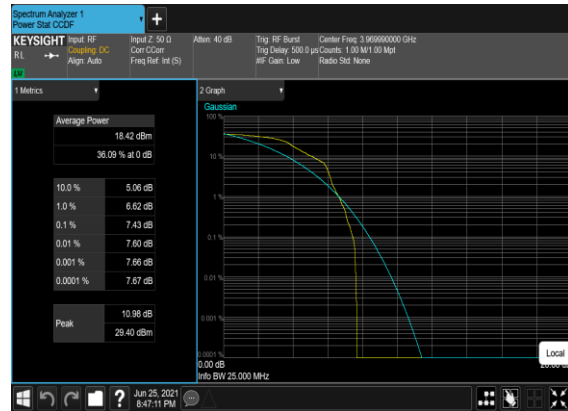




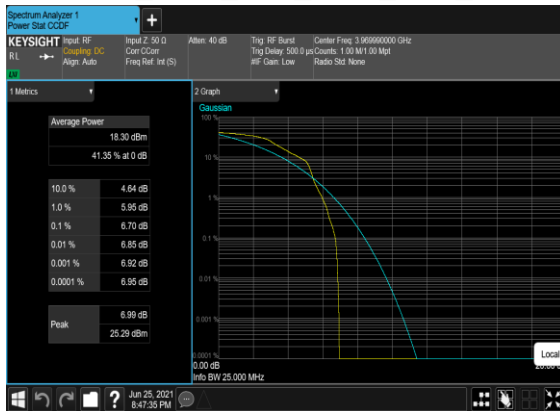
N77(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_High\_CH



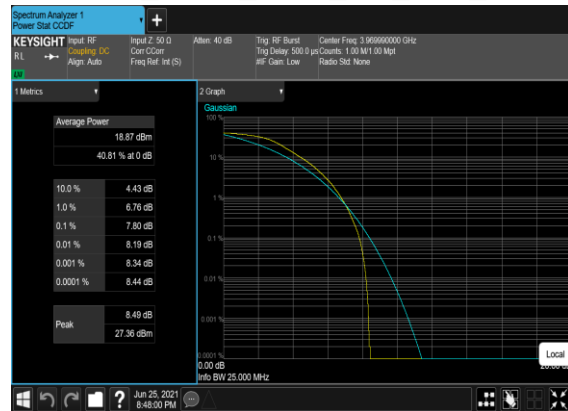
N77(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Edge\_1RB\_Left\_High\_CH



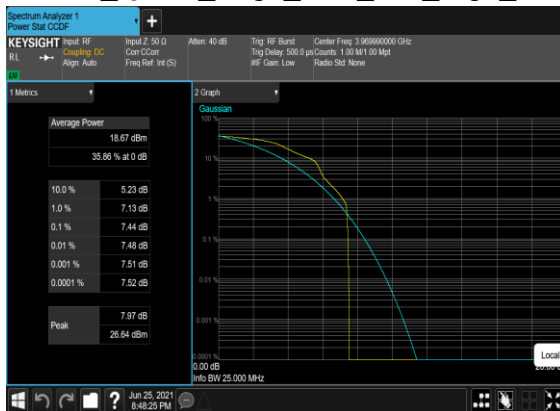
N77(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Edge\_1RB\_Right\_High\_CH



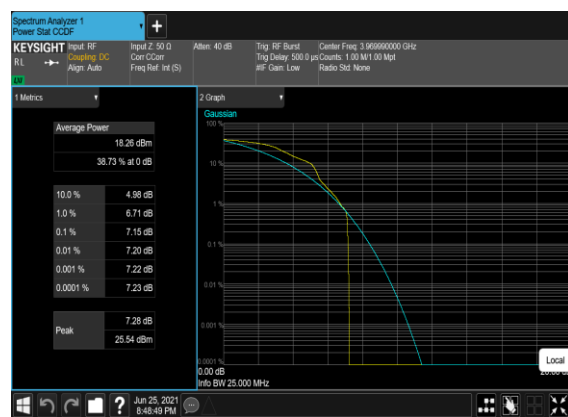
N77(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



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



N77(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_C  
H

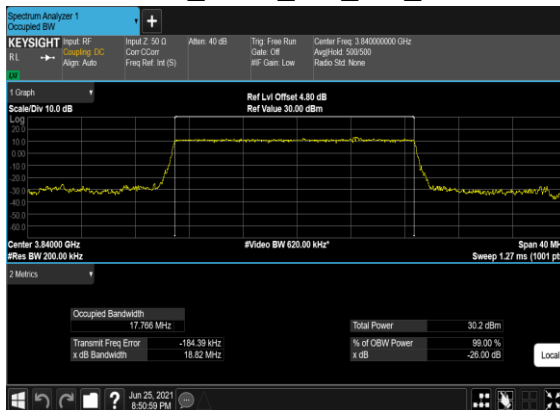


## Occupied Bandwidth

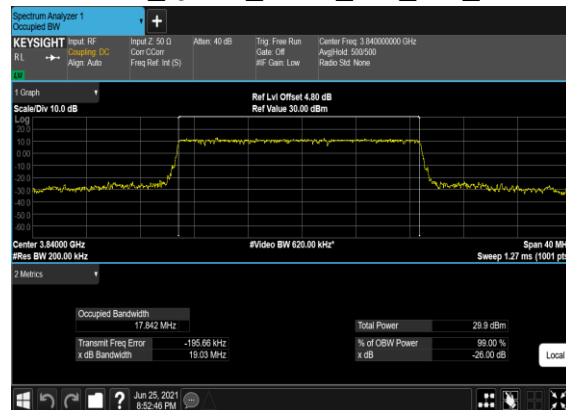
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-----------|----------------|
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 50@0  | 17.766    | 18.82          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 50@0  | 17.842    | 19.03          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK         | 51@0  | 18.234    | 19.36          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 51@0  | 18.237    | 19.39          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 51@0  | 18.233    | 19.37          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 51@0  | 18.179    | 19.38          |
| 77      | 30        | 40              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 100@0 | 35.676    | 37.24          |
| 77      | 30        | 40              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 100@0 | 35.704    | 37.5           |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM QPSK         | 106@0 | 37.819    | 39.38          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 106@0 | 37.811    | 39.3           |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 106@0 | 37.867    | 39.45          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 106@0 | 37.938    | 39.51          |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 128@0 | 46.029    | 47.05          |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 128@0 | 45.977    | 47.18          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM QPSK         | 133@0 | 47.632    | 49.05          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 133@0 | 47.837    | 49.03          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 133@0 | 47.859    | 48.98          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 133@0 | 47.763    | 48.73          |
| 77      | 30        | 60              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 162@0 | 57.905    | 59.9           |
| 77      | 30        | 60              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 162@0 | 57.952    | 59.83          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM QPSK         | 162@0 | 57.828    | 59.75          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 162@0 | 57.807    | 59.85          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 162@0 | 57.846    | 59.89          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 162@0 | 57.854    | 59.86          |

|    |    |     |        |        |                      |       |        |       |
|----|----|-----|--------|--------|----------------------|-------|--------|-------|
| 77 | 30 | 80  | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 216@0 | 77.127 | 79.64 |
| 77 | 30 | 80  | 656000 | 3840.0 | DFT-s-OFDM QPSK      | 216@0 | 77.073 | 79.86 |
| 77 | 30 | 80  | 656000 | 3840.0 | CP-OFDM QPSK         | 217@0 | 77.561 | 80.27 |
| 77 | 30 | 80  | 656000 | 3840.0 | CP-OFDM 16 QAM       | 217@0 | 77.458 | 80.01 |
| 77 | 30 | 80  | 656000 | 3840.0 | CP-OFDM 64 QAM       | 217@0 | 77.58  | 80.23 |
| 77 | 30 | 80  | 656000 | 3840.0 | CP-OFDM 256 QAM      | 217@0 | 77.466 | 80.1  |
| 77 | 30 | 90  | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 240@0 | 86.508 | 88.02 |
| 77 | 30 | 90  | 656000 | 3840.0 | DFT-s-OFDM QPSK      | 240@0 | 87.289 | 89.01 |
| 77 | 30 | 90  | 656000 | 3840.0 | CP-OFDM QPSK         | 245@0 | 88.101 | 89.73 |
| 77 | 30 | 90  | 656000 | 3840.0 | CP-OFDM 16 QAM       | 245@0 | 88.131 | 89.73 |
| 77 | 30 | 90  | 656000 | 3840.0 | CP-OFDM 64 QAM       | 245@0 | 88.19  | 89.79 |
| 77 | 30 | 90  | 656000 | 3840.0 | CP-OFDM 256 QAM      | 245@0 | 88.358 | 90.04 |
| 77 | 30 | 100 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 270@0 | 96.480 | 99.55 |
| 77 | 30 | 100 | 656000 | 3840.0 | DFT-s-OFDM QPSK      | 270@0 | 96.517 | 99.5  |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM QPSK         | 273@0 | 97.52  | 100.5 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 16 QAM       | 273@0 | 97.471 | 100.7 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 64 QAM       | 273@0 | 97.656 | 100.7 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 256 QAM      | 273@0 | 97.539 | 100.6 |

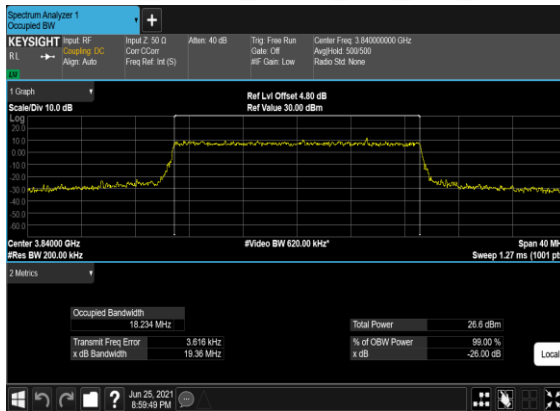
N77(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



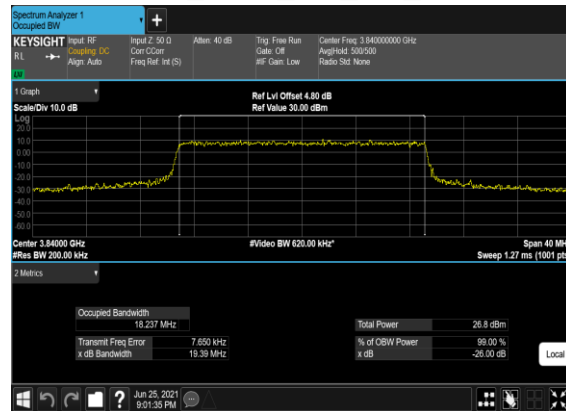
N77(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



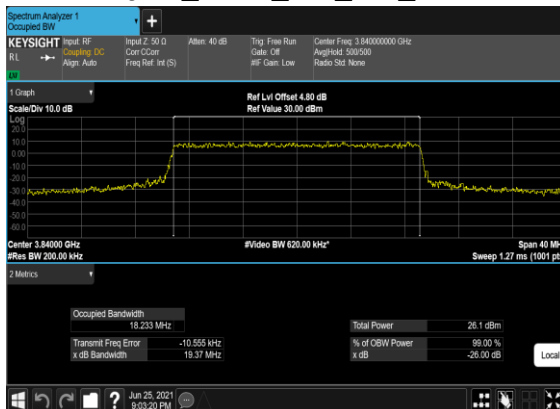
N77(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



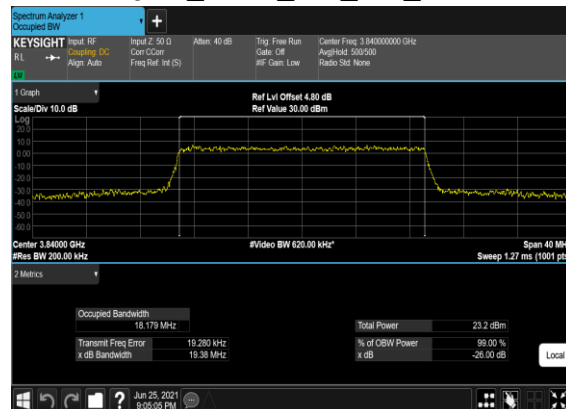
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QAM\_Outer\_Full\_Mid\_CH



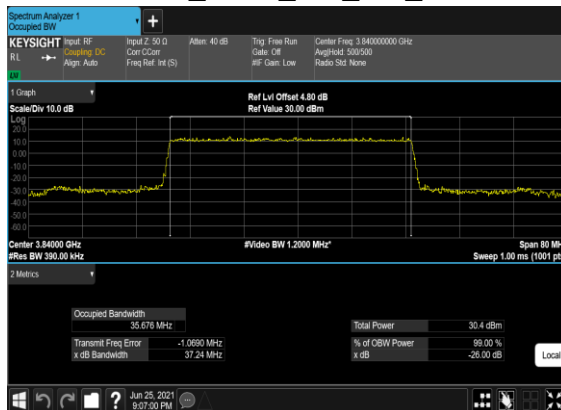
N77(20M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



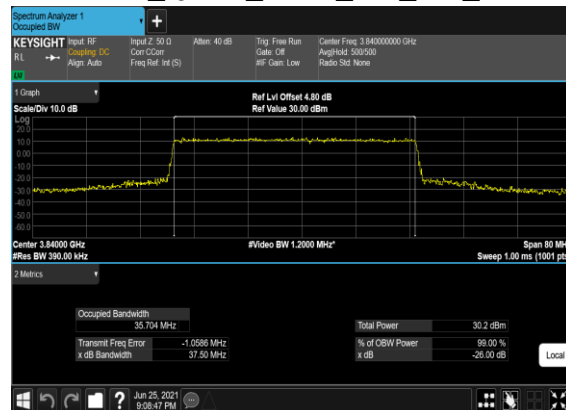
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QAM\_Outer\_Full\_Mid\_CH



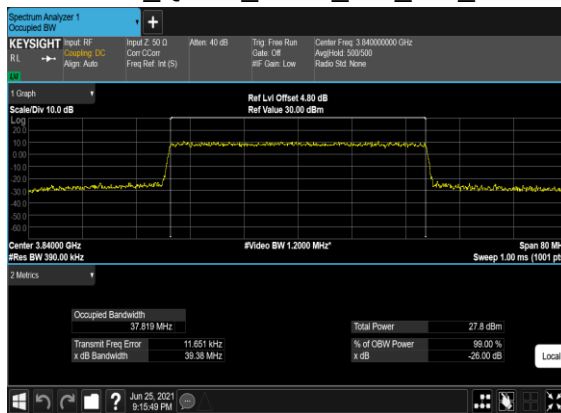
N77(40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



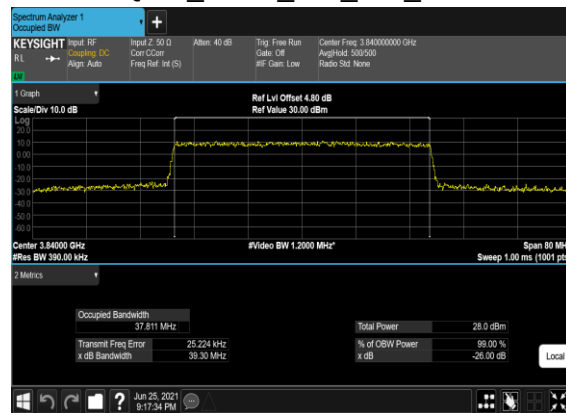
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



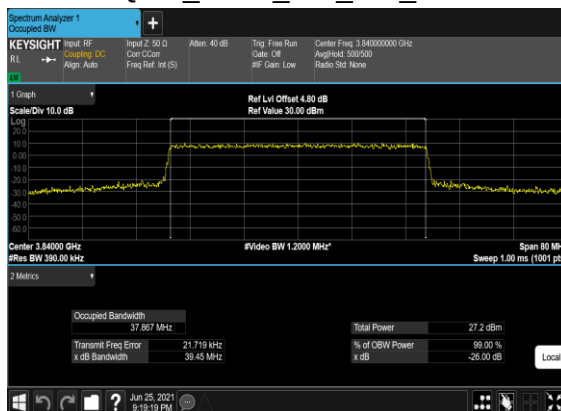
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



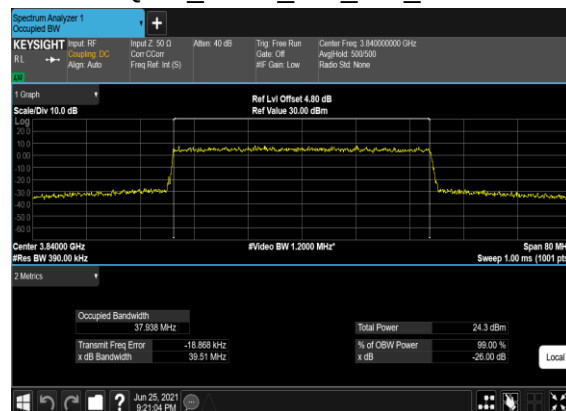
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QAM\_Outer\_Full\_Mid\_CH



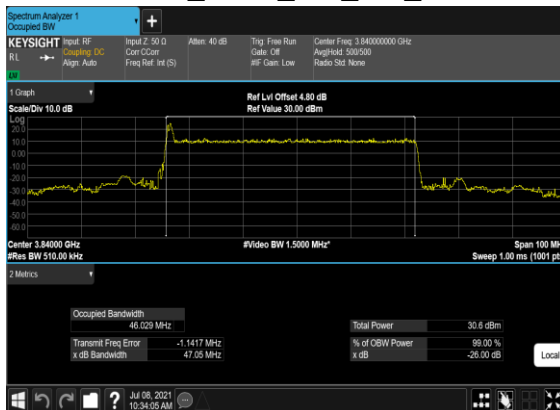
N77(40M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



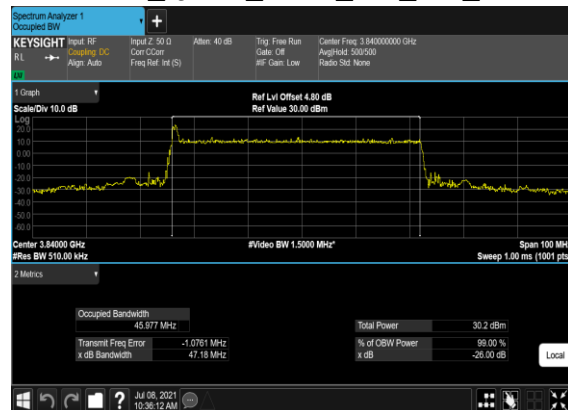
N77(40M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



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



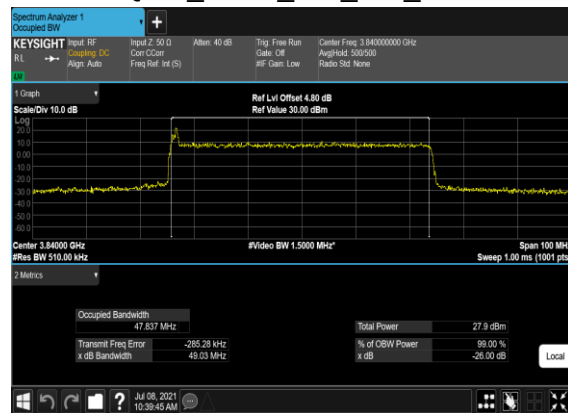
N77(50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



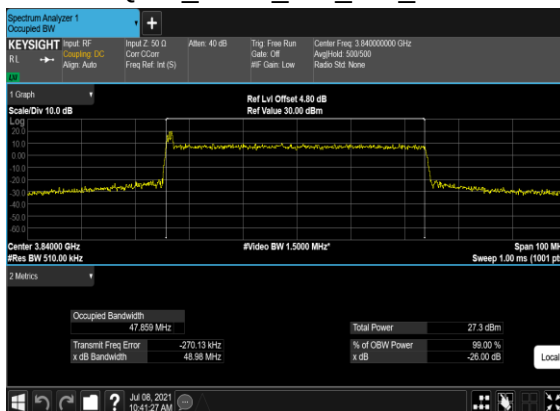
N77(50M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N77(50M)\_CP-OFDM\_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

