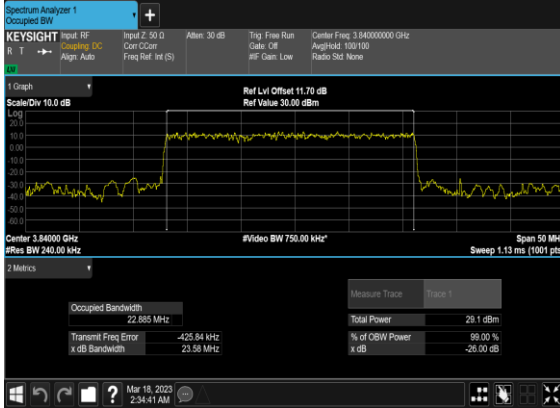
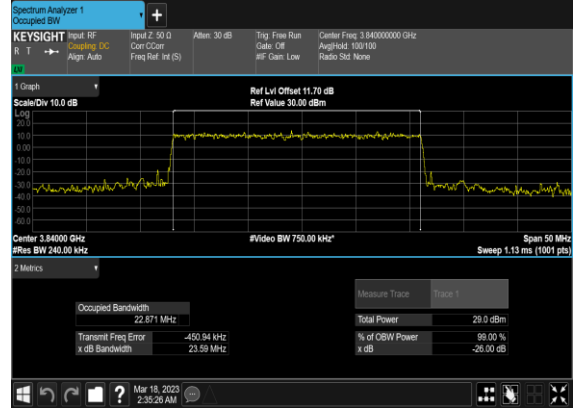


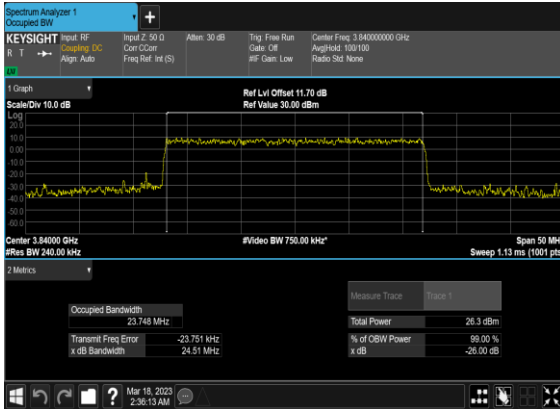
N77(25M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



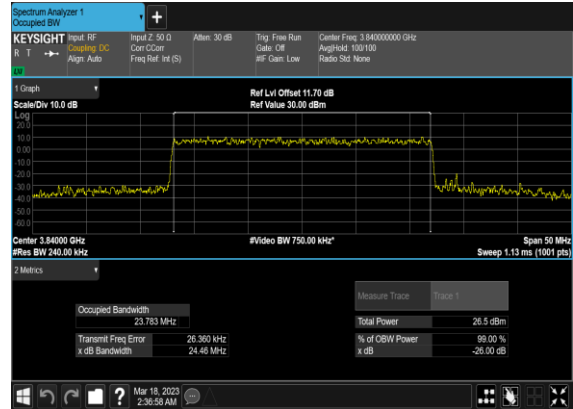
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OFDM_QPSK_Outer_Full_Mid_CH



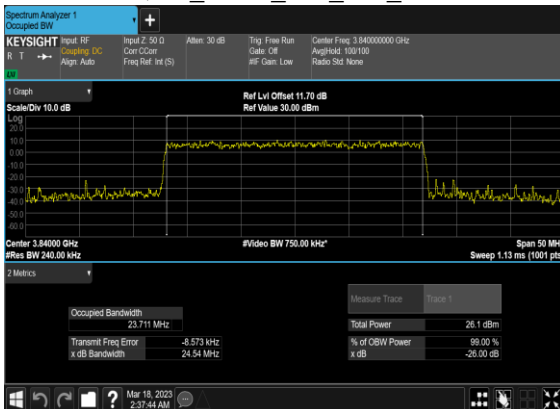
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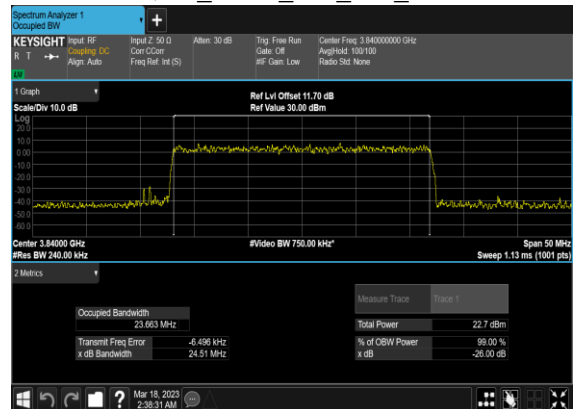
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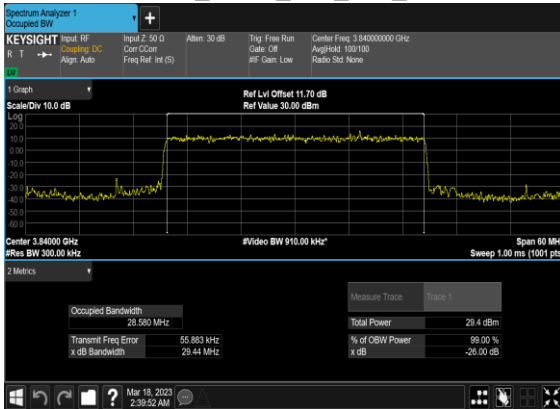
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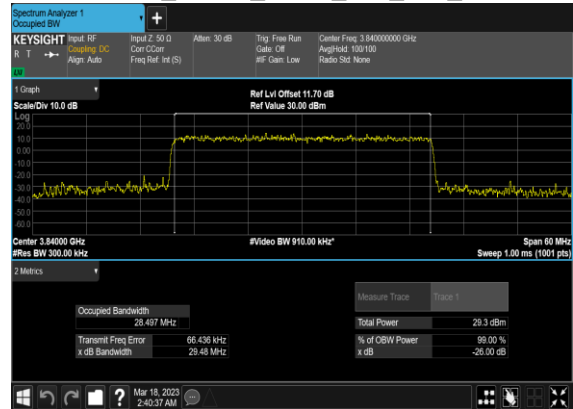
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QAM_Outer_Full_Mid_CH



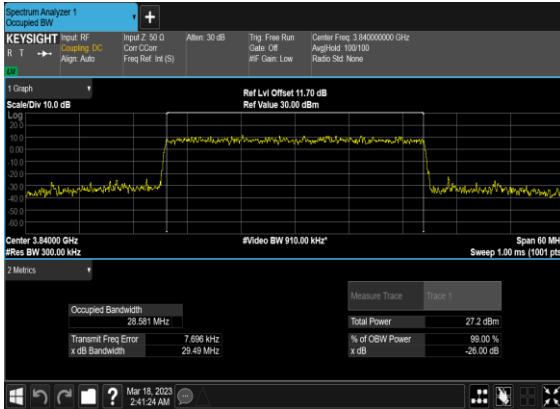
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BPSK_Outer_Full_Mid_CH



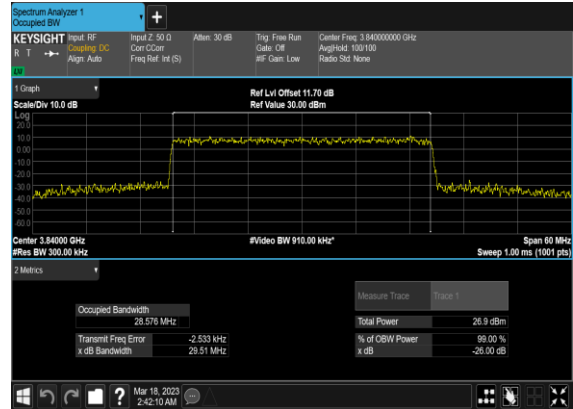
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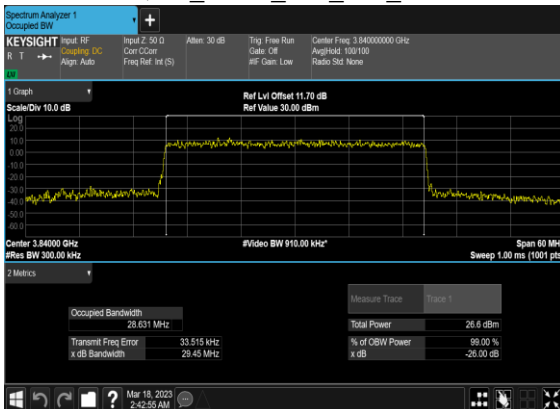
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OFDM_QPSK_Outer_Full_Mid_CH



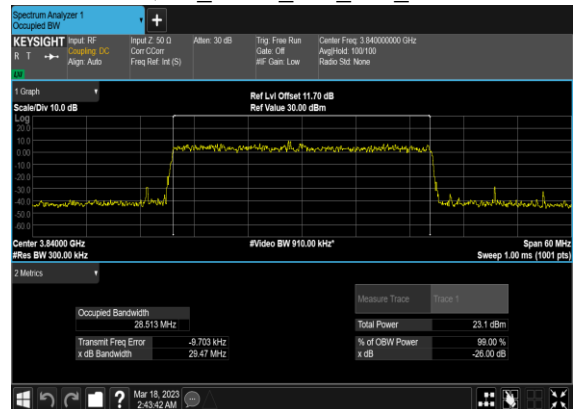
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QAM_Outer_Full_Mid_CH



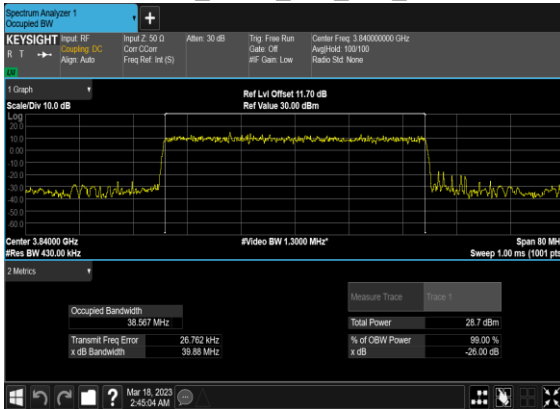
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QAM_Outer_Full_Mid_CH



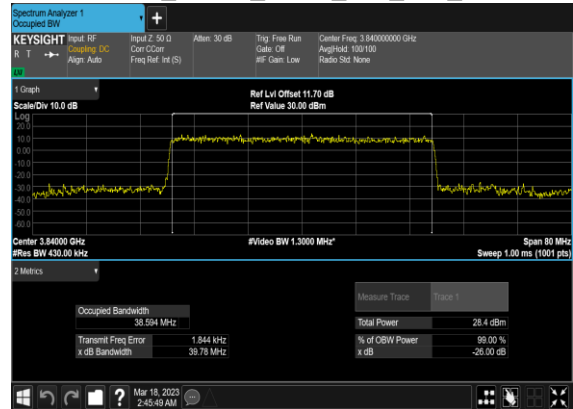
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QAM_Outer_Full_Mid_CH



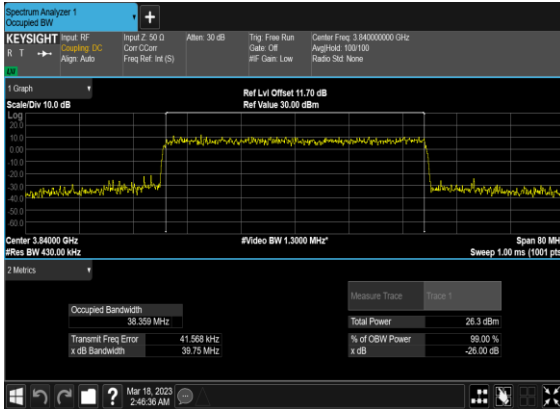
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BPSK_Outer_Full_Mid_CH



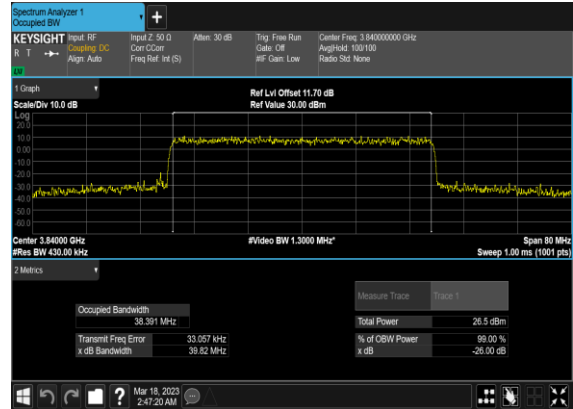
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OFDM_QPSK_Outer_Full_Mid_CH



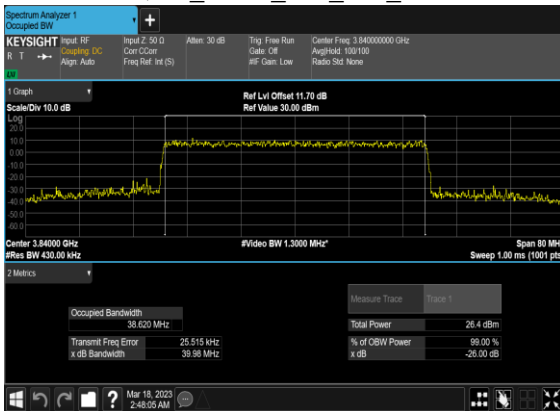
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OFDM_QPSK_Outer_Full_Mid_CH



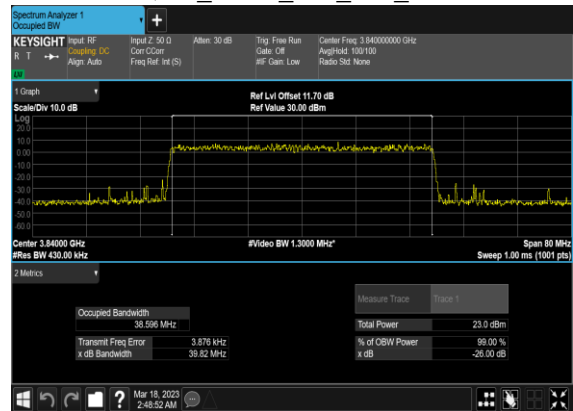
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QAM_Outer_Full_Mid_CH



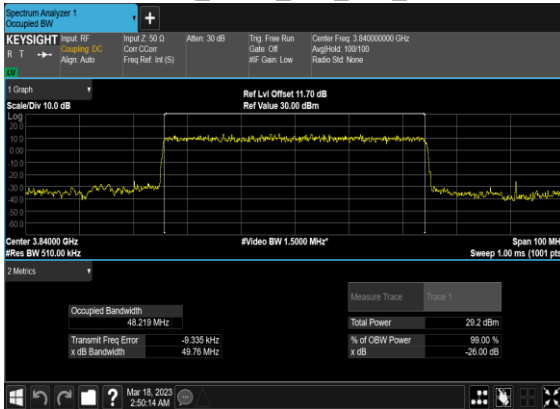
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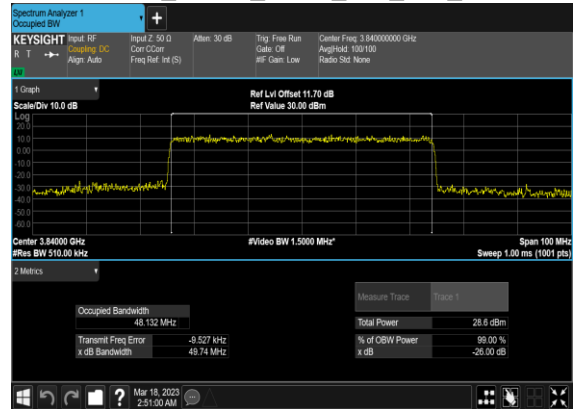
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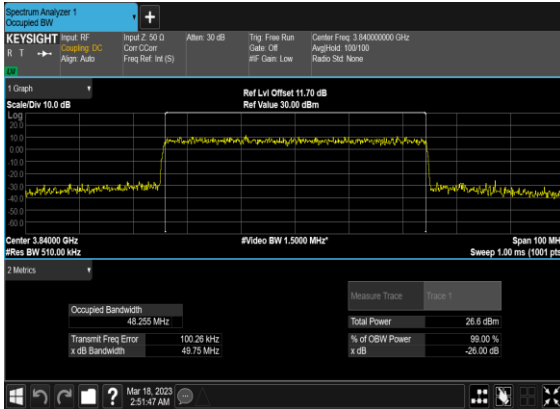
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BPSK_Outer_Full_Mid_CH



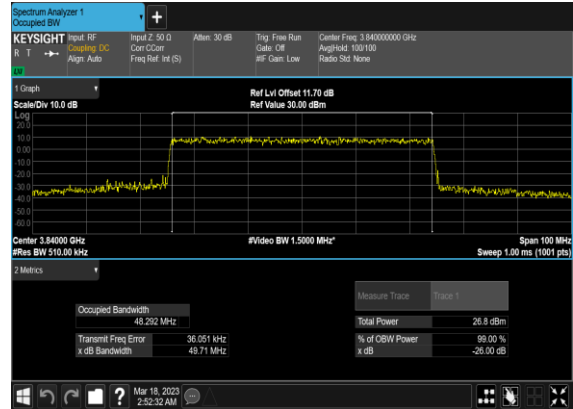
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OFDM_QPSK_Outer_Full_Mid_CH



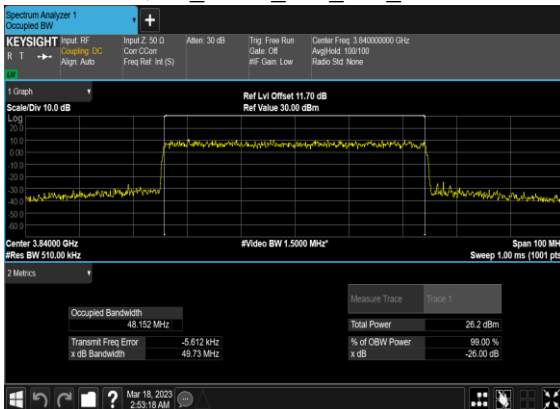
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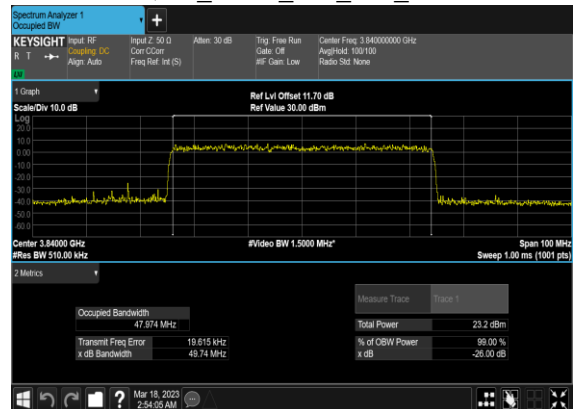
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---------|-----------|-----------------|--------|------------|--------------------|-----|-----------|---------|
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 10 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 77 | 15 | 10 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |

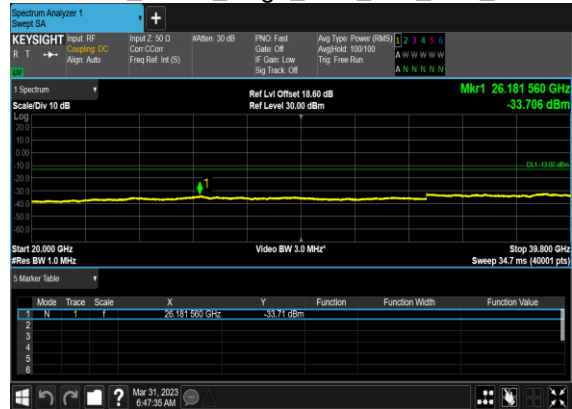
| | | | | | | | | |
|----|----|----|--------|---------|--------------------|-----|-----------|-------------|
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 25 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 77 | 15 | 25 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 50 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 656000 | 3840.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |

| | | | | | | | | |
|-----------|----|----|--------|---------|--------------------|-----|-----------|-------------|
| 77 | 15 | 50 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



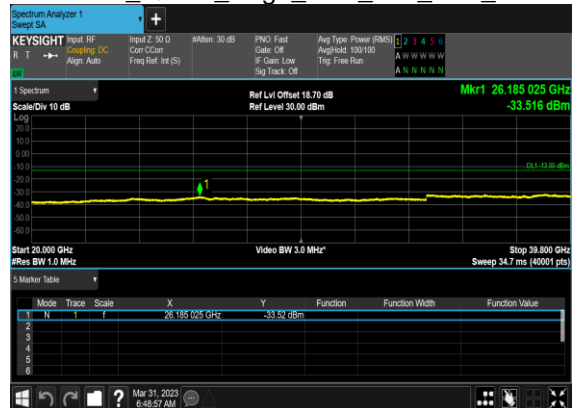
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N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



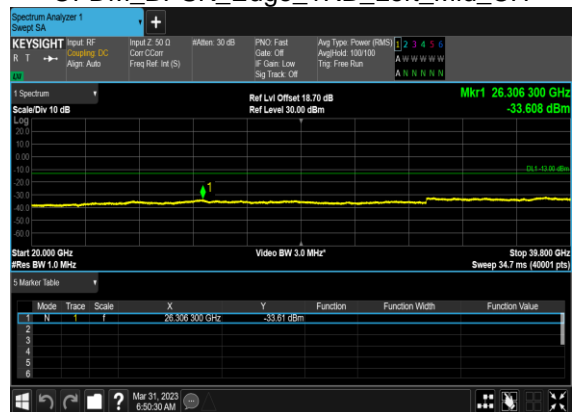
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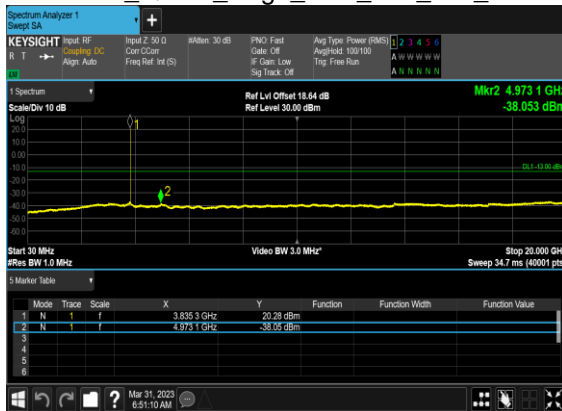
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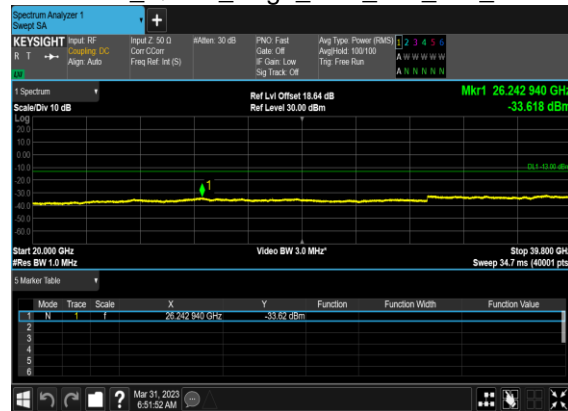
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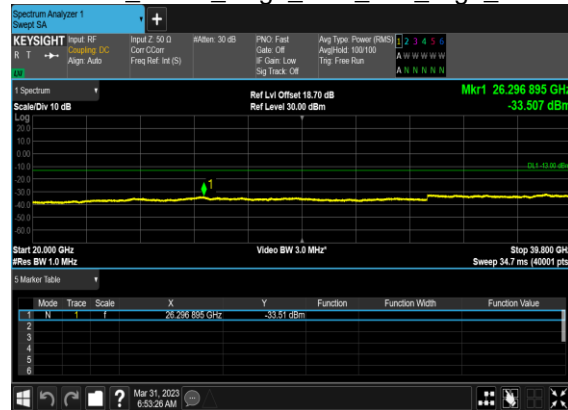
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N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



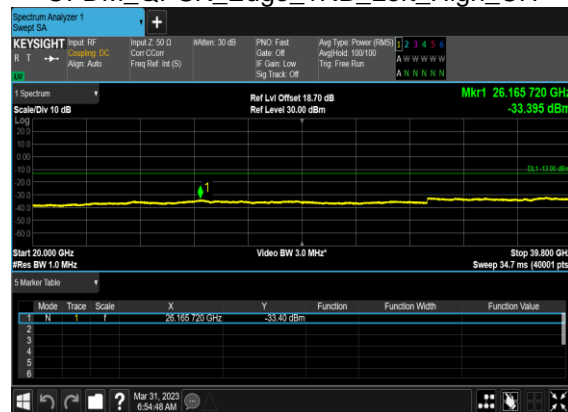
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N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



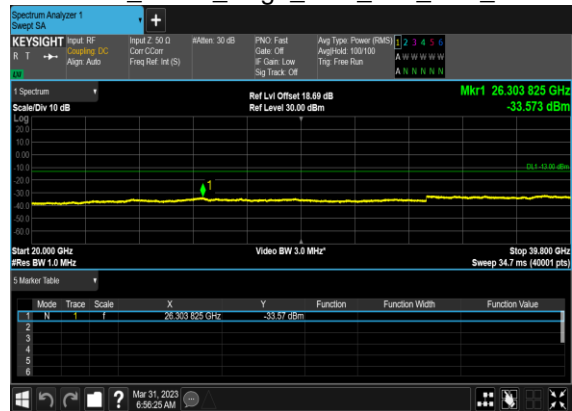
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N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



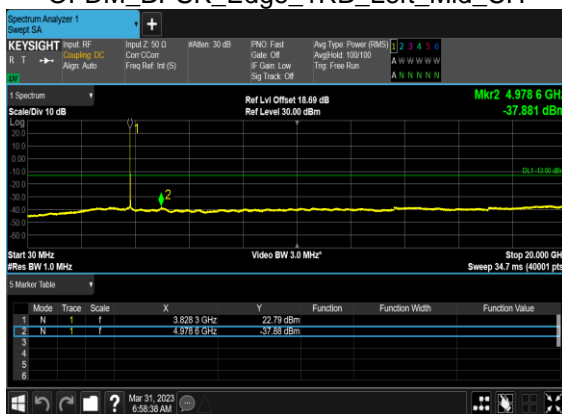
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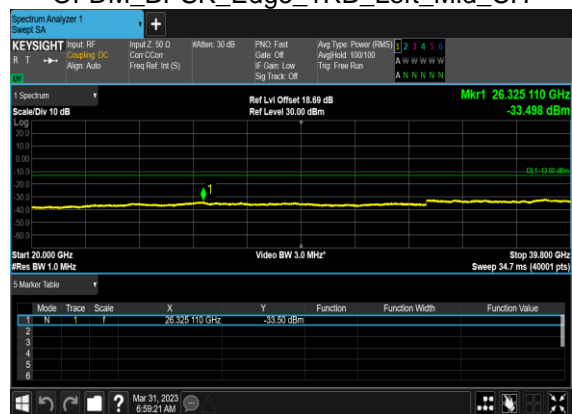
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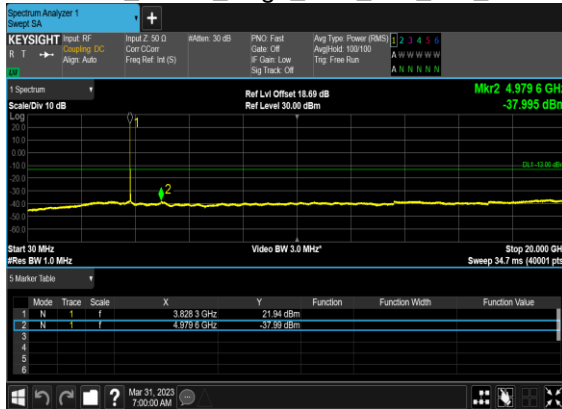
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N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



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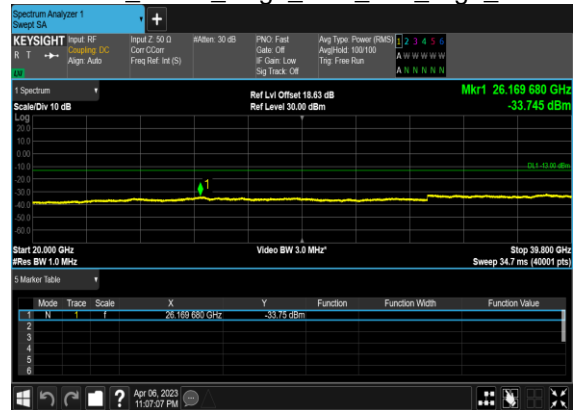
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N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



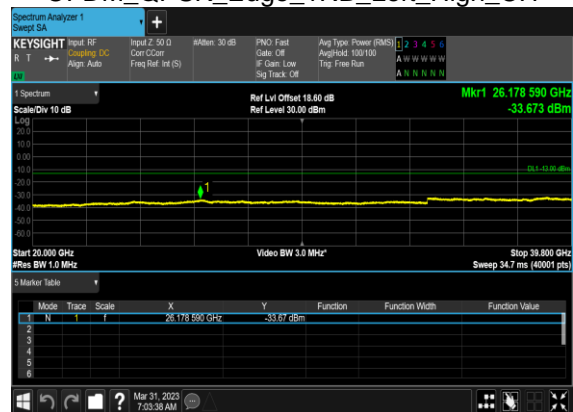
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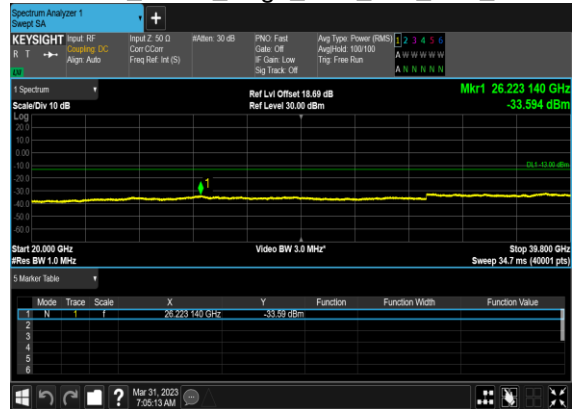
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



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



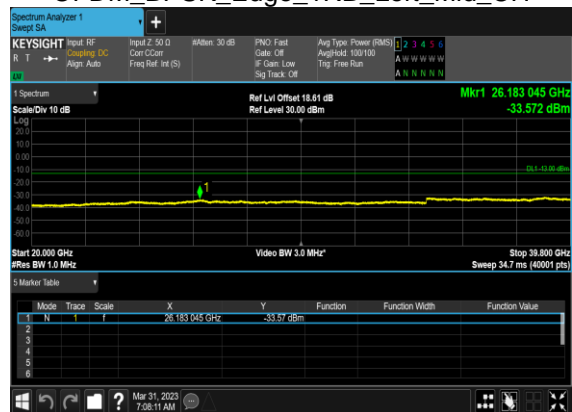
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



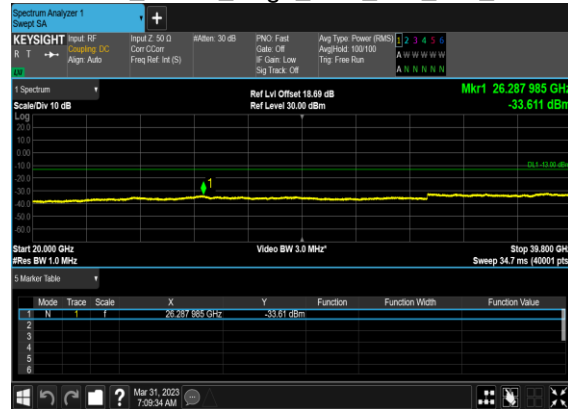
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



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



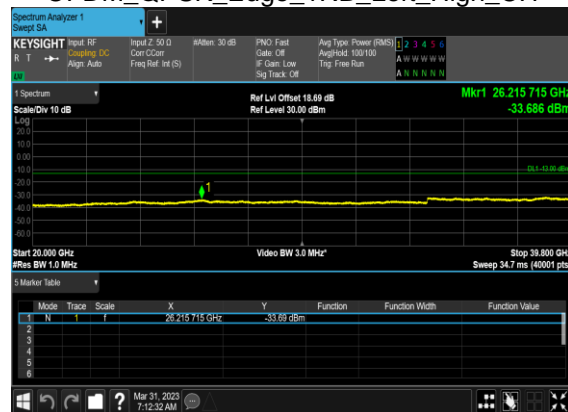
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



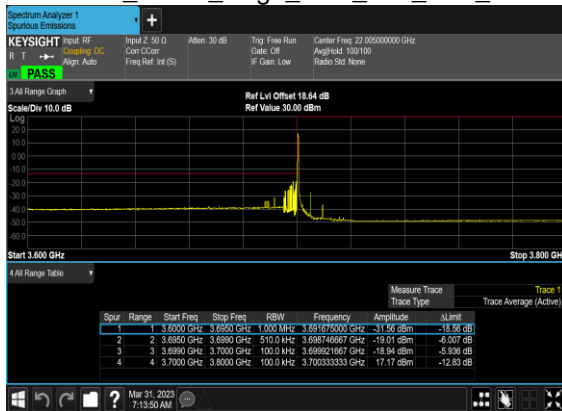
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



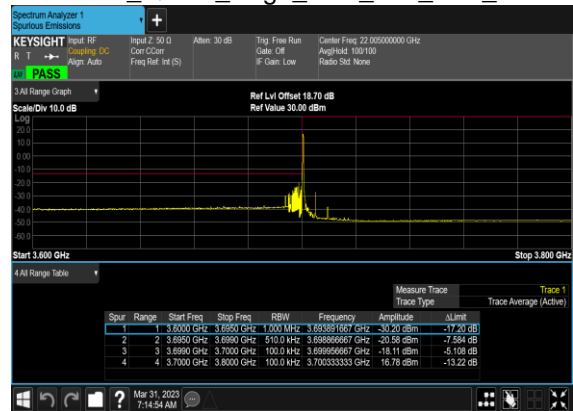
Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM BPSK | 50@0 | see graph | PASS |
| 77 | 15 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 50@0 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM BPSK | 1@51 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 1@51 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM BPSK | 50@0 | see graph | PASS |
| 77 | 15 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 50@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 77 | 15 | 25 | 647500 | 3712.5 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 77 | 15 | 25 | 664500 | 3967.5 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 77 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM BPSK | 1@269 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK | 1@269 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 77 | 15 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |

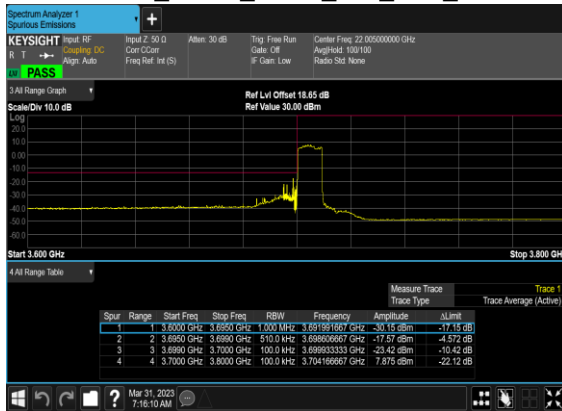
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



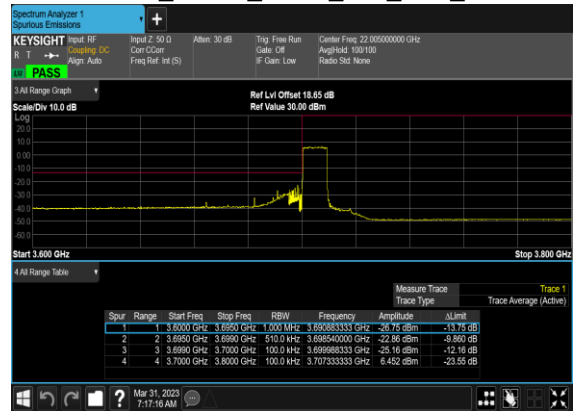
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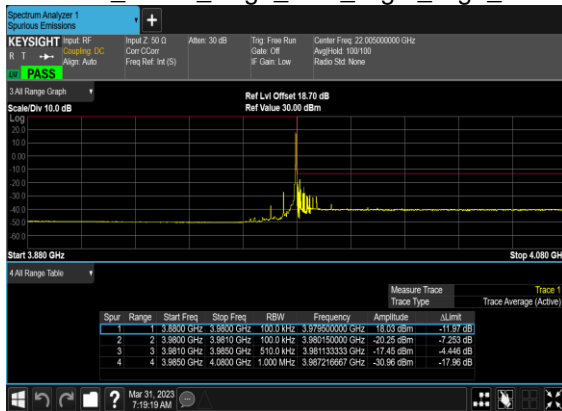
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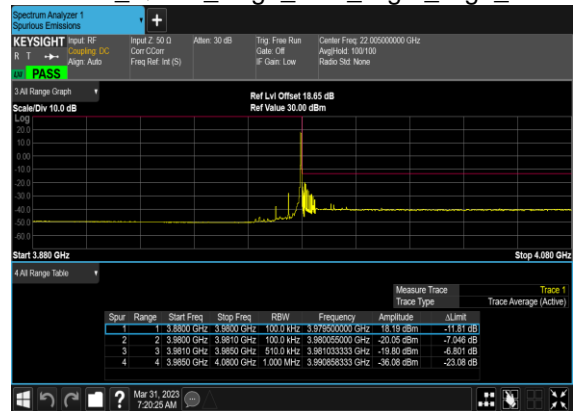
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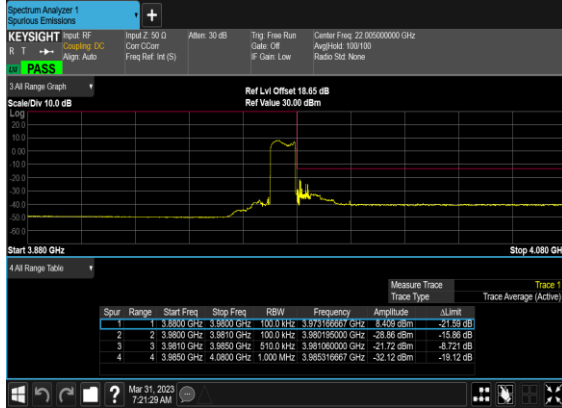
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N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



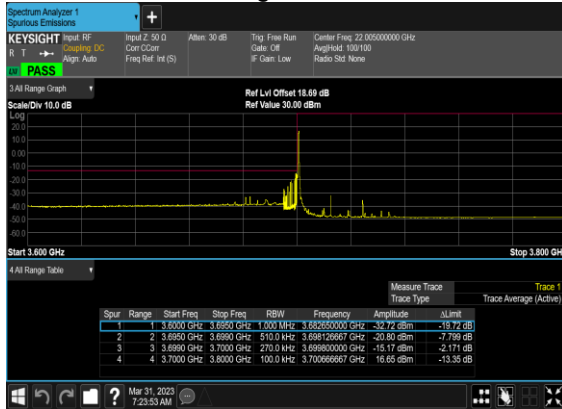
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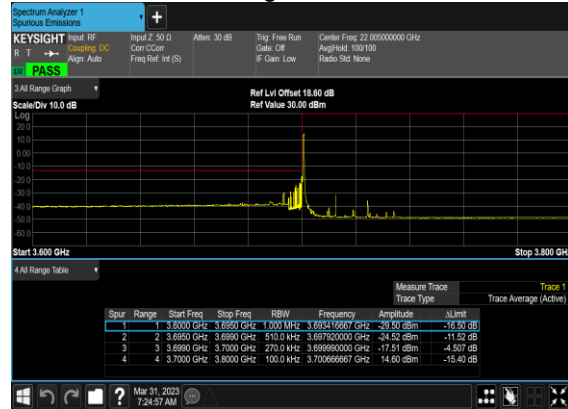
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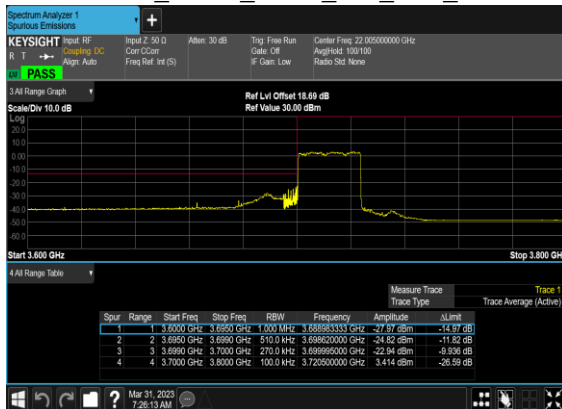
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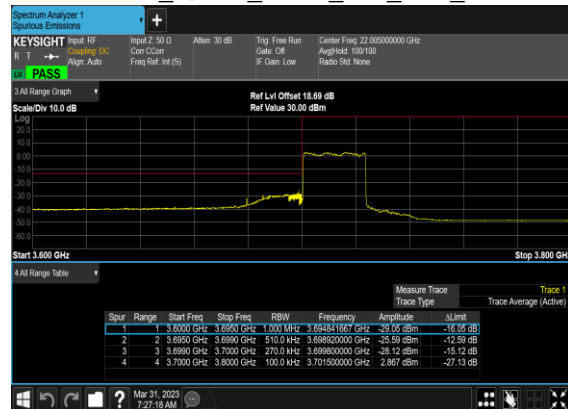
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



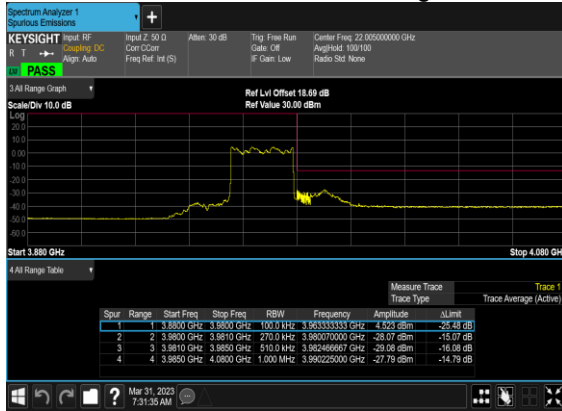
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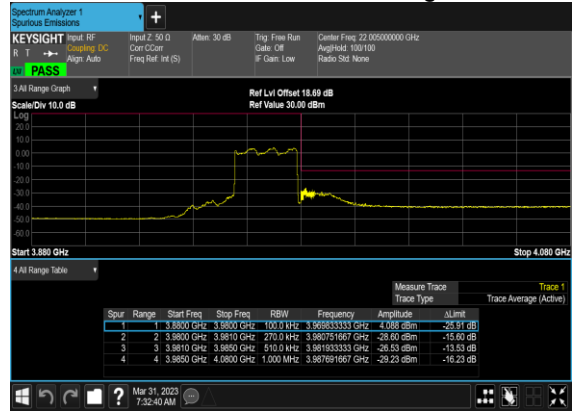
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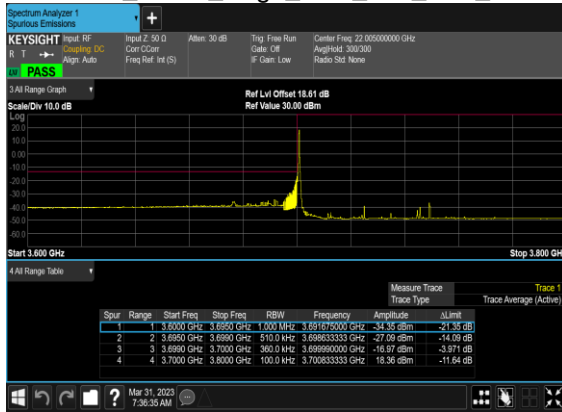
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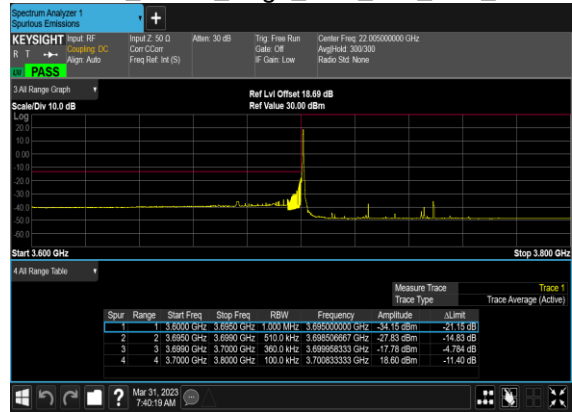
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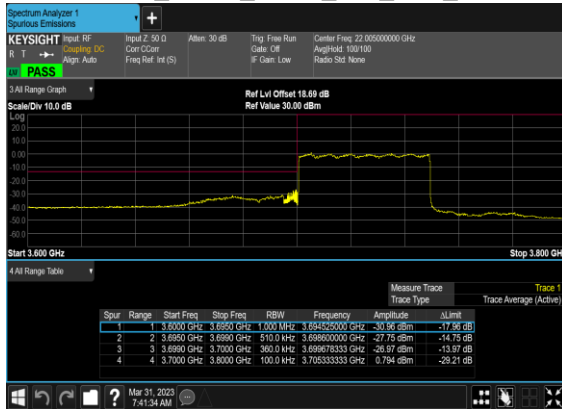
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N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



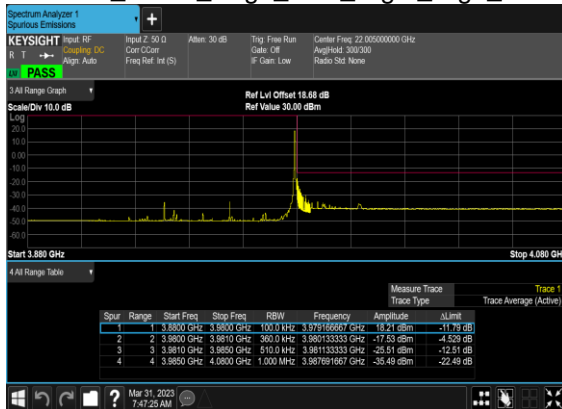
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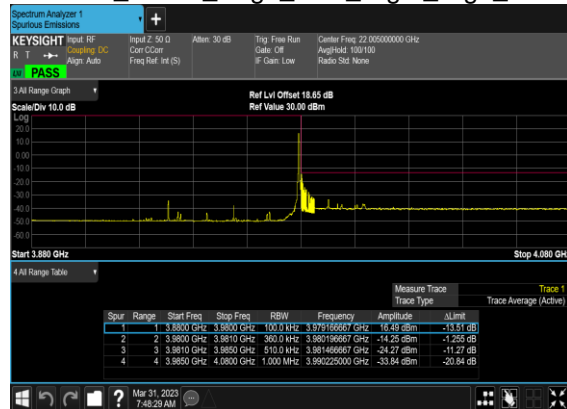
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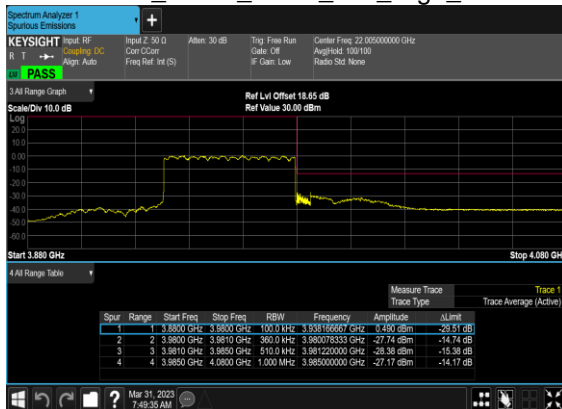
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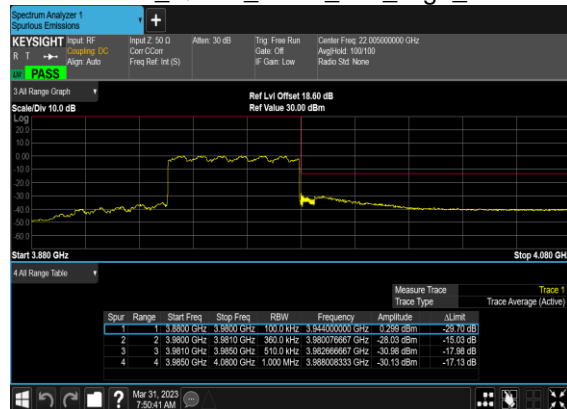
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N77 UL MIMO-SCS 30K(MIMO_ANT2+4)

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=-5.99dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | ANT4 Power(dBm) | ANT2 Power(dBm) | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|-------------------|-----|-----------------|-----------------|----------------------|------------|----------|
| 77 | 30 | 10 | 647000 | 3705 | DFT-s-OFDM QPSK | 1@1 | 25.45 | 25.24 | 28.36 | 22.37 | 0.1726 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s-OFDM 16 QAM | 1@1 | 24.43 | 23.93 | 27.20 | 21.21 | 0.1321 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.21 | 24.94 | 28.09 | 22.10 | 0.1622 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.88 | 23.73 | 26.82 | 20.83 | 0.1211 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM QPSK | 1@1 | 25.22 | 25.27 | 28.26 | 22.27 | 0.1687 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 16 QAM | 1@1 | 24.38 | 24.21 | 27.31 | 21.32 | 0.1355 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM QPSK | 1@1 | 25.78 | 25.2 | 28.51 | 22.52 | 0.1786 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM 16 QAM | 1@1 | 24.32 | 23.86 | 27.11 | 21.12 | 0.1294 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.25 | 24.93 | 28.10 | 22.11 | 0.1626 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.97 | 23.58 | 26.79 | 20.80 | 0.1202 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM QPSK | 1@1 | 25.42 | 25.1 | 28.27 | 22.28 | 0.1690 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM 16 QAM | 1@1 | 23.39 | 23.95 | 26.69 | 20.70 | 0.1175 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM QPSK | 1@1 | 25.75 | 25.18 | 28.48 | 22.49 | 0.1774 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.37 | 23.88 | 27.14 | 21.15 | 0.1303 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.18 | 25.02 | 28.11 | 22.12 | 0.1629 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.89 | 23.63 | 26.77 | 20.78 | 0.1197 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM QPSK | 1@1 | 25.43 | 25.24 | 28.35 | 22.36 | 0.1722 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.61 | 23.91 | 27.28 | 21.29 | 0.1346 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM QPSK | 1@1 | 25.7 | 25.07 | 28.41 | 22.42 | 0.1746 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM 16 QAM | 1@1 | 24.28 | 23.56 | 26.95 | 20.96 | 0.1247 |
| 77 | 30 | 25 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.02 | 24.91 | 27.98 | 21.99 | 0.1581 |
| 77 | 30 | 25 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.54 | 23.42 | 26.49 | 20.50 | 0.1122 |
| 77 | 30 | 25 | 664500 | 3967.5 | DFT-s-OFDM QPSK | 1@1 | 25.42 | 25.15 | 28.30 | 22.31 | 0.1702 |
| 77 | 30 | 25 | 664500 | 3967.5 | DFT-s-OFDM 16 QAM | 1@1 | 24.82 | 24.08 | 27.48 | 21.49 | 0.1409 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM QPSK | 1@1 | 25.65 | 25.07 | 28.38 | 22.39 | 0.1734 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.67 | 24.02 | 27.37 | 21.38 | 0.1374 |
| 77 | 30 | 30 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.01 | 24.95 | 27.99 | 22.00 | 0.1585 |
| 77 | 30 | 30 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.57 | 23.42 | 26.51 | 20.52 | 0.1127 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM QPSK | 1@1 | 25.89 | 25.06 | 28.51 | 22.52 | 0.1786 |

| | | | | | | | | | | | |
|----|----|----|--------|---------|----------------------|-----|-------|-------|-------|-------|--------|
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.43 | 23.76 | 27.12 | 21.13 | 0.1297 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM QPSK | 1@1 | 25.69 | 25.13 | 28.43 | 22.44 | 0.1754 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 16 QAM | 1@1 | 24.28 | 23.86 | 27.09 | 21.10 | 0.1288 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 24.92 | 24.92 | 27.93 | 21.94 | 0.1563 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.8 | 23.71 | 26.77 | 20.78 | 0.1197 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM QPSK | 1@1 | 25.43 | 25.14 | 28.30 | 22.31 | 0.1702 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 16 QAM | 1@1 | 24.42 | 23.76 | 27.11 | 21.12 | 0.1294 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK | 1@1 | 25.8 | 25.17 | 28.51 | 22.52 | 0.1786 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.46 | 23.75 | 27.13 | 21.14 | 0.1300 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 24.93 | 24.97 | 27.96 | 21.97 | 0.1574 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.63 | 23.62 | 26.64 | 20.65 | 0.1161 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM QPSK | 1@1 | 25.24 | 24.87 | 28.07 | 22.08 | 0.1614 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM 16 QAM | 1@1 | 23.92 | 23.34 | 26.65 | 20.66 | 0.1164 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM QPSK | 1@1 | 25.79 | 25.06 | 28.45 | 22.46 | 0.1762 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.52 | 23.77 | 27.17 | 21.18 | 0.1312 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.01 | 25.1 | 28.07 | 22.08 | 0.1614 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.71 | 23.83 | 26.78 | 20.79 | 0.1199 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM QPSK | 1@1 | 24.83 | 24.86 | 27.86 | 21.87 | 0.1538 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM 16 QAM | 1@1 | 23.41 | 23.44 | 26.44 | 20.45 | 0.1109 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM QPSK | 1@1 | 25.75 | 25.13 | 28.46 | 22.47 | 0.1766 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 16 QAM | 1@1 | 24.43 | 23.82 | 27.15 | 21.16 | 0.1306 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.18 | 25.18 | 28.19 | 22.20 | 0.1660 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 23.69 | 23.79 | 26.75 | 20.76 | 0.1191 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s-OFDM QPSK | 1@1 | 24.71 | 24.88 | 27.81 | 21.82 | 0.1521 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s-OFDM 16 QAM | 1@1 | 23.38 | 23.52 | 26.46 | 20.47 | 0.1114 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM QPSK | 1@1 | 25.72 | 25.09 | 28.43 | 22.44 | 0.1754 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.34 | 23.75 | 27.07 | 21.08 | 0.1282 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.35 | 25.21 | 28.29 | 22.30 | 0.1698 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 24.07 | 24.02 | 27.06 | 21.07 | 0.1279 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM QPSK | 1@1 | 24.93 | 24.79 | 27.87 | 21.88 | 0.1542 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM 16 QAM | 1@1 | 23.54 | 23.59 | 26.58 | 20.59 | 0.1146 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM QPSK | 1@1 | 25.68 | 25.16 | 28.44 | 22.45 | 0.1758 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM 16 QAM | 1@1 | 23.77 | 23.82 | 26.81 | 20.82 | 0.1208 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.48 | 25.27 | 28.39 | 22.40 | 0.1738 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 24.2 | 23.96 | 27.09 | 21.10 | 0.1288 |

| | | | | | | | | | | | |
|----|----|-----|--------|---------|-------------------------|--------|-------|-------|-------|-------|--------|
| 77 | 30 | 90 | 662332 | 3934.98 | DFT-s-OFDM QPSK | 1@1 | 25.15 | 24.71 | 27.95 | 21.96 | 0.1570 |
| 77 | 30 | 90 | 662332 | 3934.98 | DFT-s-OFDM 16 QAM | 1@1 | 23.82 | 23.42 | 26.63 | 20.64 | 0.1159 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.18 | 25.64 | 28.43 | 22.44 | 0.1754 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.59 | 25.16 | 28.39 | 22.40 | 0.1738 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.41 | 25.4 | 28.42 | 22.43 | 0.1750 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM QPSK | 135@67 | 25.17 | 25.59 | 28.40 | 22.41 | 0.1742 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM QPSK | 1@1 | 25.67 | 25.15 | 28.43 | 22.44 | 0.1754 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM QPSK | 1@271 | 25.42 | 25.4 | 28.42 | 22.43 | 0.1750 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 16 QAM | 135@67 | 24.2 | 24.59 | 27.41 | 21.42 | 0.1387 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 16 QAM | 1@1 | 24.32 | 23.71 | 27.04 | 21.05 | 0.1274 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 16 QAM | 1@271 | 24.14 | 24.05 | 27.11 | 21.12 | 0.1294 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM | 135@67 | 22.22 | 22.63 | 25.44 | 19.45 | 0.0881 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM | 1@1 | 22.59 | 22.1 | 25.36 | 19.37 | 0.0865 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM | 1@271 | 22.39 | 22.48 | 25.45 | 19.46 | 0.0883 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 135@67 | 19.15 | 19.55 | 22.36 | 16.37 | 0.0434 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 1@1 | 19.46 | 19.04 | 22.27 | 16.28 | 0.0425 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 1@271 | 19.3 | 19.42 | 22.37 | 16.38 | 0.0435 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 137@68 | 24.26 | 24.55 | 27.42 | 21.43 | 0.1390 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 24.16 | 23.7 | 26.95 | 20.96 | 0.1247 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 1@271 | 23.97 | 24.06 | 27.03 | 21.04 | 0.1271 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.34 | 25.07 | 28.22 | 22.23 | 0.1671 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.8 | 25.19 | 28.52 | 22.53 | 0.1791 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.19 | 24.82 | 28.02 | 22.03 | 0.1596 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM QPSK | 135@67 | 25.25 | 25.06 | 28.17 | 22.18 | 0.1652 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 25.59 | 25.3 | 28.46 | 22.47 | 0.1766 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@271 | 25.24 | 24.89 | 28.08 | 22.09 | 0.1618 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 135@67 | 24.27 | 24.09 | 27.19 | 21.20 | 0.1318 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 24.35 | 24 | 27.19 | 21.20 | 0.1318 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@271 | 23.86 | 23.55 | 26.72 | 20.73 | 0.1183 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 135@67 | 22.27 | 22.09 | 25.19 | 19.20 | 0.0832 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 22.57 | 22.32 | 25.46 | 19.47 | 0.0885 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@271 | 22.14 | 21.81 | 24.99 | 19.00 | 0.0794 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 135@67 | 19.3 | 19.09 | 22.21 | 16.22 | 0.0419 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 19.51 | 19.26 | 22.40 | 16.41 | 0.0438 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@271 | 19.15 | 18.87 | 22.02 | 16.03 | 0.0401 |

| | | | | | | | | | | | |
|----|----|-----|--------|------|-------------------------|--------|-------|-------|-------|-------|--------|
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM QPSK | 137@68 | 23.59 | 23.65 | 26.63 | 20.64 | 0.1159 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 24.16 | 23.82 | 27.00 | 21.01 | 0.1262 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM QPSK | 1@271 | 23.78 | 23.52 | 26.66 | 20.67 | 0.1167 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.33 | 24.99 | 28.17 | 22.18 | 0.1652 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.3 | 24.59 | 27.97 | 21.98 | 0.1578 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM PI/2 BPSK | 1@271 | 24.78 | 25.25 | 28.03 | 22.04 | 0.1600 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM QPSK | 135@67 | 25.29 | 25.12 | 28.22 | 22.23 | 0.1671 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM QPSK | 1@1 | 25.36 | 24.63 | 28.02 | 22.03 | 0.1596 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM QPSK | 1@271 | 24.86 | 25.28 | 28.09 | 22.10 | 0.1622 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 16 QAM | 135@67 | 24.33 | 24.06 | 27.21 | 21.22 | 0.1324 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 16 QAM | 1@1 | 23.9 | 23.27 | 26.61 | 20.62 | 0.1153 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 16 QAM | 1@271 | 23.51 | 23.97 | 26.76 | 20.77 | 0.1194 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 64 QAM | 135@67 | 22.3 | 22.08 | 25.20 | 19.21 | 0.0834 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 64 QAM | 1@1 | 22.29 | 21.65 | 24.99 | 19.00 | 0.0794 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 64 QAM | 1@271 | 21.88 | 22.28 | 25.09 | 19.10 | 0.0813 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 256 QAM | 135@67 | 19.3 | 19.1 | 22.21 | 16.22 | 0.0419 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 256 QAM | 1@1 | 19.27 | 18.6 | 21.96 | 15.97 | 0.0395 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 256 QAM | 1@271 | 18.89 | 19.2 | 22.06 | 16.07 | 0.0405 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM QPSK | 137@68 | 23.88 | 23.65 | 26.78 | 20.79 | 0.1199 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM QPSK | 1@1 | 23.92 | 23.19 | 26.58 | 20.59 | 0.1146 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM QPSK | 1@271 | 23.48 | 23.87 | 26.69 | 20.70 | 0.1175 |

FR1 N77 UL MIMO-SCS 30K(MIMO_ANT2)

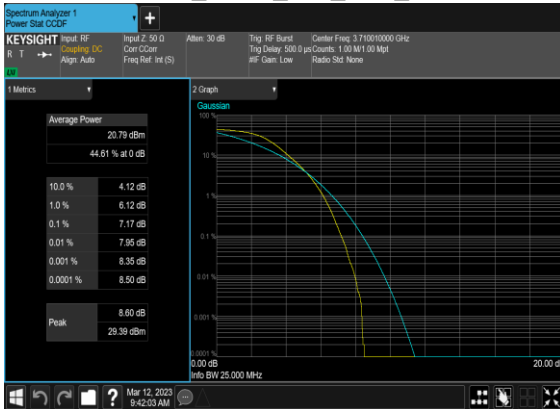
Frequency Stability

| 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 | 50@0 | 0.0026 | PASS | NV |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0026 | PASS | LV |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0021 | PASS | HV |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0053 | PASS | -30°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0026 | PASS | -20°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0034 | PASS | -10°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0034 | PASS | 0°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0044 | PASS | 10°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0026 | PASS | 20°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0056 | PASS | 30°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0053 | PASS | 40°C |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 0.0068 | 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 | 7.17 | 13 | PASS |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.14 | 13 | PASS |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM QPSK | 50@0 | 8.47 | 13 | PASS |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM QPSK | 1@0 | 7.99 | 13 | PASS |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.08 | 13 | PASS |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.3 | 13 | PASS |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 8.41 | 13 | PASS |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | 7.93 | 13 | PASS |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.0 | 13 | PASS |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.18 | 13 | PASS |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM QPSK | 50@0 | 8.45 | 13 | PASS |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM QPSK | 1@0 | 8.02 | 13 | PASS |

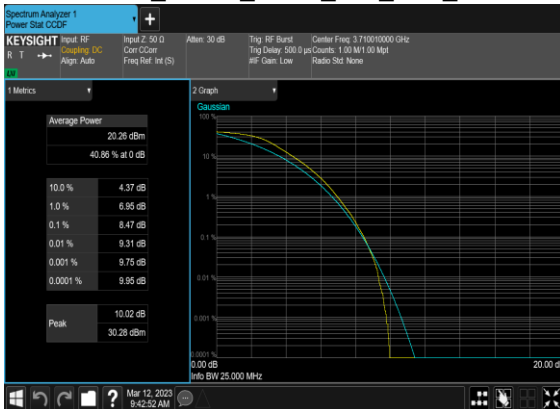
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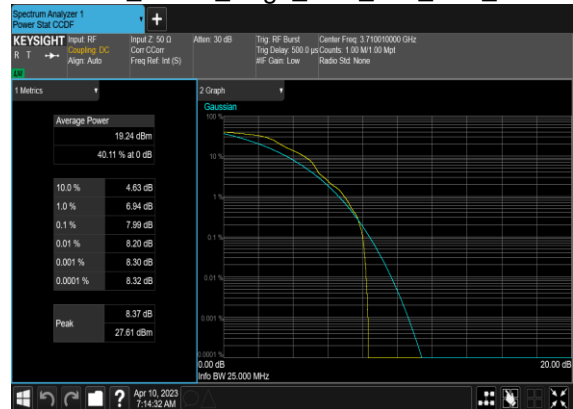
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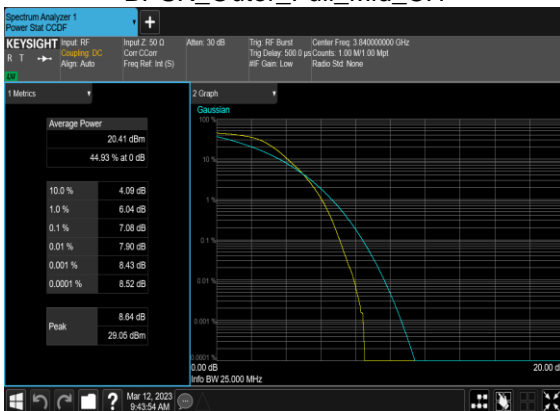
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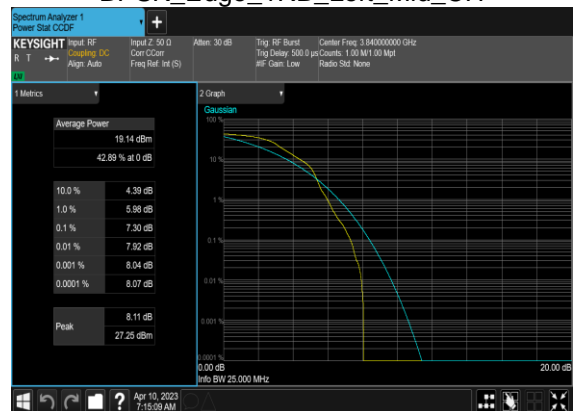
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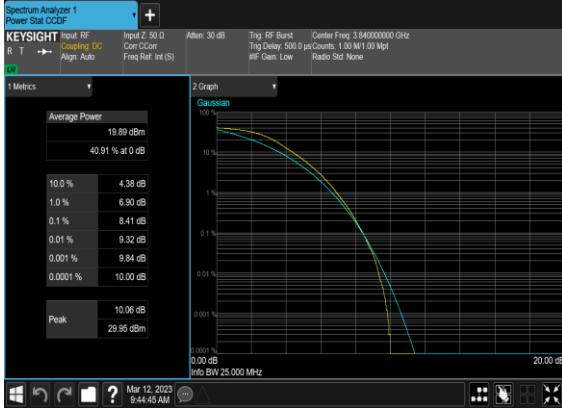
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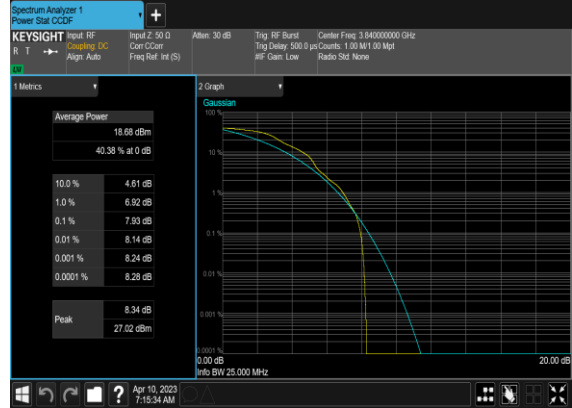
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N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



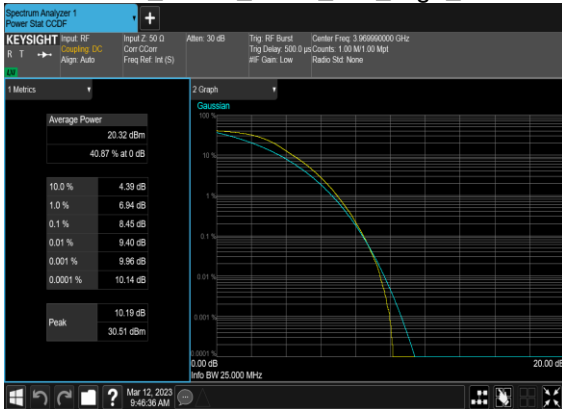
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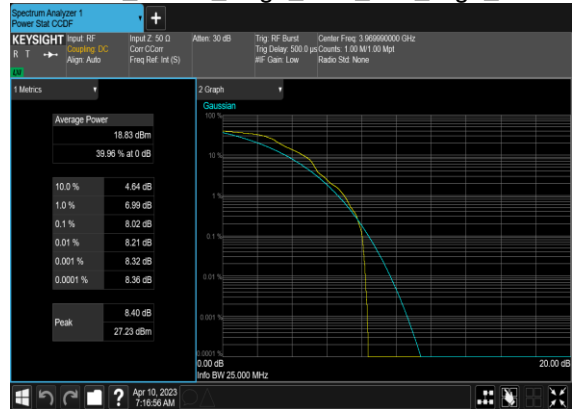
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N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



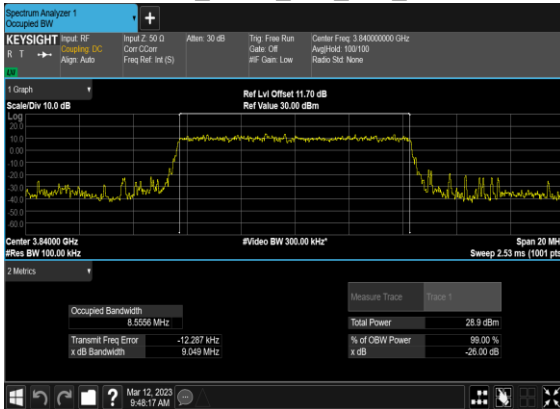
Occupied Bandwidth

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | OBW (MHz) | 26dB BW (MHz) |
|---------|-----------|-----------------|--------|------------|-------------------------|------|-----------|---------------|
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 24@0 | 8.5556 | 9.049 |
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 24@0 | 8.5793 | 9.542 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM QPSK | 24@0 | 8.5564 | 9.148 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM 16 QAM | 24@0 | 8.5372 | 9.163 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM 64 QAM | 24@0 | 8.5711 | 9.063 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM 256 QAM | 24@0 | 8.553 | 9.064 |
| 77 | 30 | 15 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 36@0 | 12.835 | 13.56 |
| 77 | 30 | 15 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 36@0 | 12.83 | 13.63 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM QPSK | 38@0 | 13.559 | 14.28 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM 16 QAM | 38@0 | 13.542 | 14.31 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM 64 QAM | 38@0 | 13.561 | 14.45 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM 256 QAM | 38@0 | 13.53 | 14.26 |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 50@0 | 17.855 | 18.78 |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 17.807 | 18.6 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM QPSK | 51@0 | 18.184 | 18.84 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM 16 QAM | 51@0 | 18.187 | 19.3 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM 64 QAM | 51@0 | 18.185 | 19.02 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM 256 QAM | 51@0 | 18.214 | 18.91 |
| 77 | 30 | 25 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 64@0 | 22.717 | 23.76 |
| 77 | 30 | 25 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 64@0 | 22.759 | 23.86 |
| 77 | 30 | 25 | 656000 | 3840.0 | CP-OFDM QPSK | 65@0 | 23.033 | 24.36 |
| 77 | 30 | 25 | 656000 | 3840.0 | CP-OFDM 16 QAM | 65@0 | 23.137 | 24.01 |
| 77 | 30 | 25 | 656000 | 3840.0 | CP-OFDM 64 QAM | 65@0 | 23.143 | 24.26 |
| 77 | 30 | 25 | 656000 | 3840.0 | CP-OFDM 256 QAM | 65@0 | 23.138 | 24.14 |
| 77 | 30 | 30 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 75@0 | 26.806 | 27.92 |

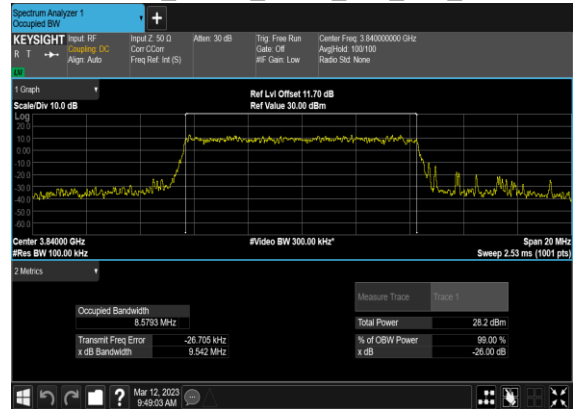
| | | | | | | | | |
|----|----|----|--------|--------|-------------------------|-------|--------|-------|
| 77 | 30 | 30 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 75@0 | 26.736 | 27.97 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM QPSK | 78@0 | 27.789 | 29.52 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM 16 QAM | 78@0 | 27.787 | 28.82 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM 64 QAM | 78@0 | 27.818 | 28.88 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM 256 QAM | 78@0 | 27.781 | 28.89 |
| 77 | 30 | 40 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 100@0 | 35.663 | 36.96 |
| 77 | 30 | 40 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 100@0 | 35.723 | 38.08 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM QPSK | 106@0 | 37.829 | 39.45 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 16 QAM | 106@0 | 37.83 | 39.3 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 64 QAM | 106@0 | 37.802 | 39.22 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 256 QAM | 106@0 | 37.866 | 39.21 |
| 77 | 30 | 50 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 128@0 | 45.752 | 47.2 |
| 77 | 30 | 50 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 128@0 | 45.573 | 47.17 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM QPSK | 133@0 | 47.548 | 49.21 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 16 QAM | 133@0 | 47.488 | 49.1 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 64 QAM | 133@0 | 47.559 | 49.12 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 256 QAM | 133@0 | 47.337 | 48.97 |
| 77 | 30 | 60 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 162@0 | 57.825 | 59.7 |
| 77 | 30 | 60 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 162@0 | 57.876 | 59.66 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM QPSK | 162@0 | 57.982 | 59.71 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 16 QAM | 162@0 | 57.922 | 59.63 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 64 QAM | 162@0 | 57.691 | 59.71 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 256 QAM | 162@0 | 57.784 | 59.71 |
| 77 | 30 | 70 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 180@0 | 64.165 | 66.22 |
| 77 | 30 | 70 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 180@0 | 64.05 | 66.23 |
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM QPSK | 189@0 | 67.343 | 69.53 |
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM 16 QAM | 189@0 | 67.468 | 69.53 |

| | | | | | | | | |
|----|----|-----|--------|--------|----------------------|-------|--------|-------|
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM 64 QAM | 189@0 | 67.583 | 69.52 |
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM 256 QAM | 189@0 | 67.379 | 69.54 |
| 77 | 30 | 80 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 216@0 | 77.186 | 79.62 |
| 77 | 30 | 80 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 216@0 | 77.114 | 79.58 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM QPSK | 217@0 | 77.463 | 79.82 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM 16 QAM | 217@0 | 77.54 | 79.88 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM 64 QAM | 217@0 | 77.588 | 79.92 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM 256 QAM | 217@0 | 77.505 | 79.89 |
| 77 | 30 | 90 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 240@0 | 85.896 | 88.46 |
| 77 | 30 | 90 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 240@0 | 85.496 | 88.63 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM QPSK | 245@0 | 87.317 | 90.22 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM 16 QAM | 245@0 | 87.249 | 90.19 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM 64 QAM | 245@0 | 87.399 | 90.2 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM 256 QAM | 245@0 | 87.225 | 90.21 |
| 77 | 30 | 100 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 270@0 | 96.301 | 99.41 |
| 77 | 30 | 100 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 270@0 | 96.474 | 99.51 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM QPSK | 273@0 | 97.443 | 100.5 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 16 QAM | 273@0 | 97.595 | 100.6 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 64 QAM | 273@0 | 97.312 | 100.5 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 256 QAM | 273@0 | 97.136 | 100.6 |

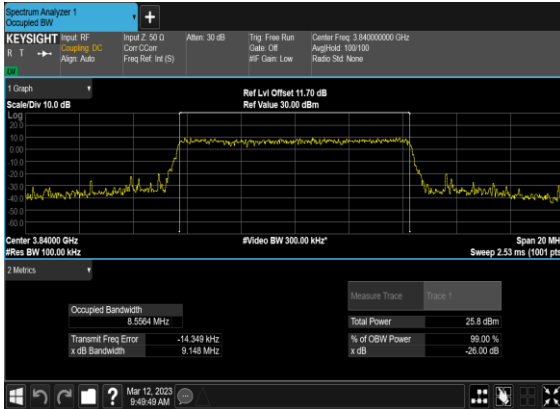
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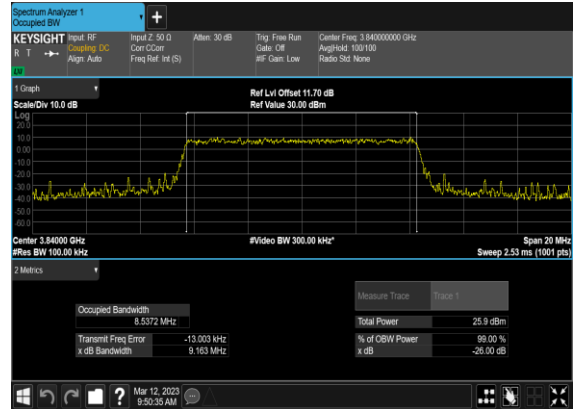
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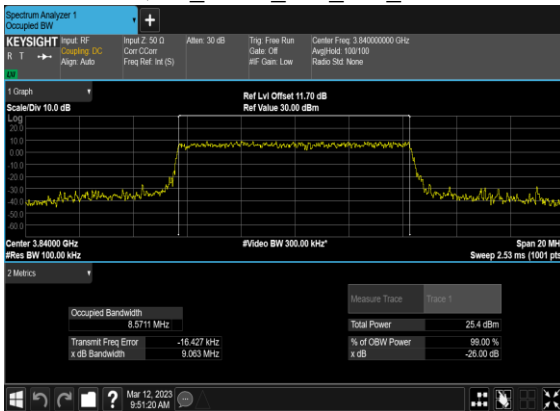
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QAM_Outer_Full_Mid_CH



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QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

