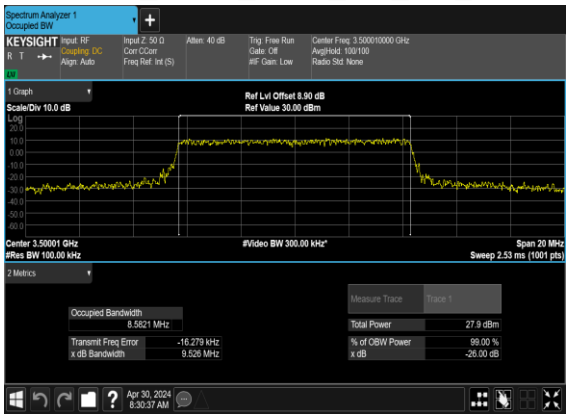
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

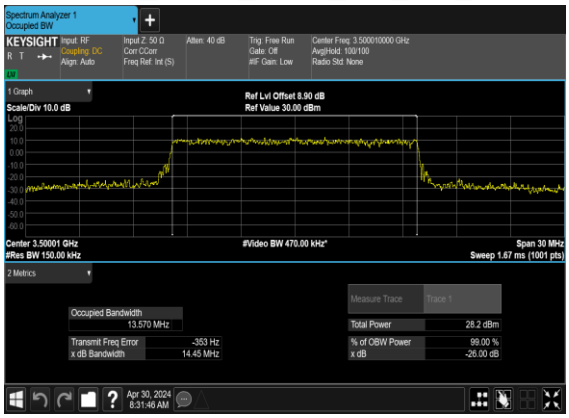



N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

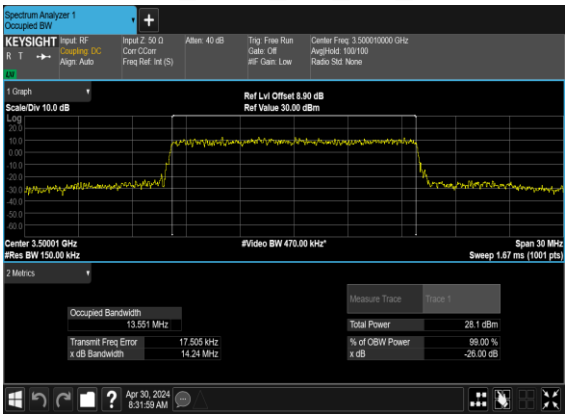

N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH


N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

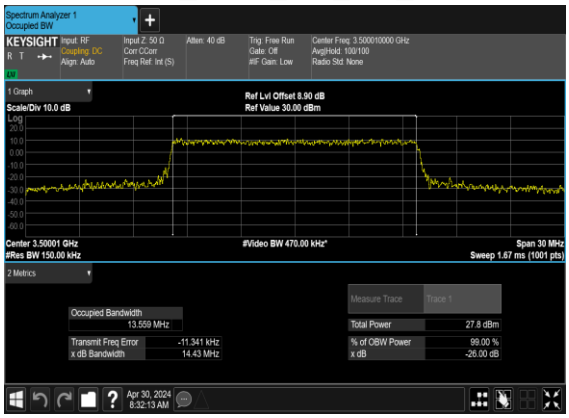

N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH




N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



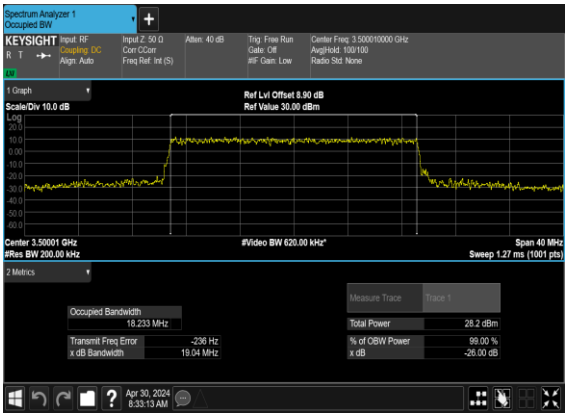
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



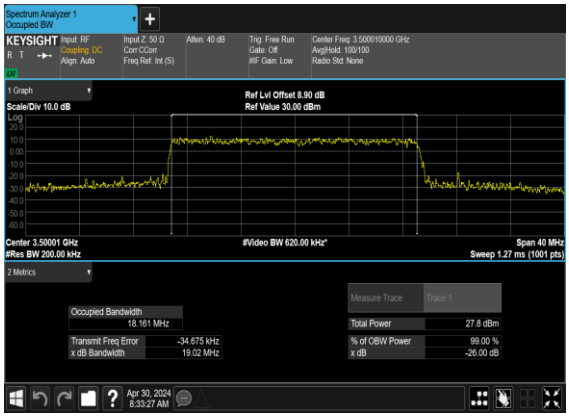

N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH


N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH


N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

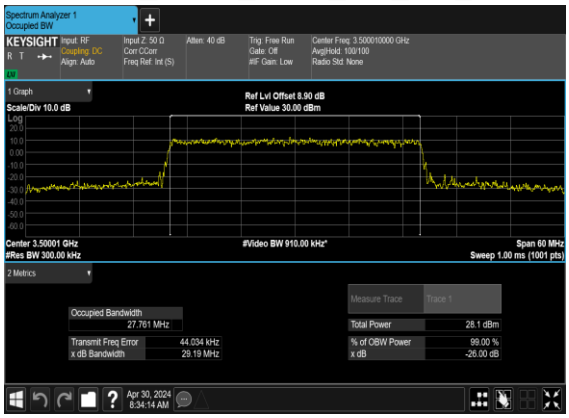



N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

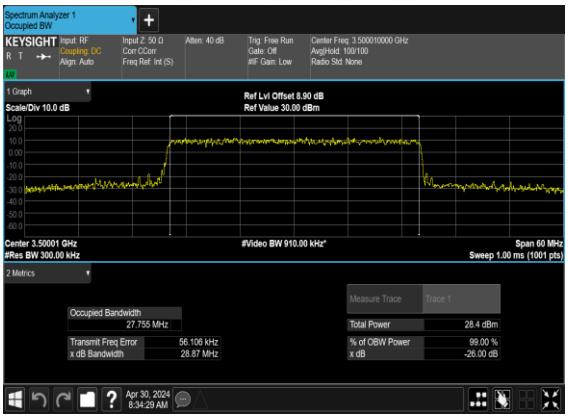



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

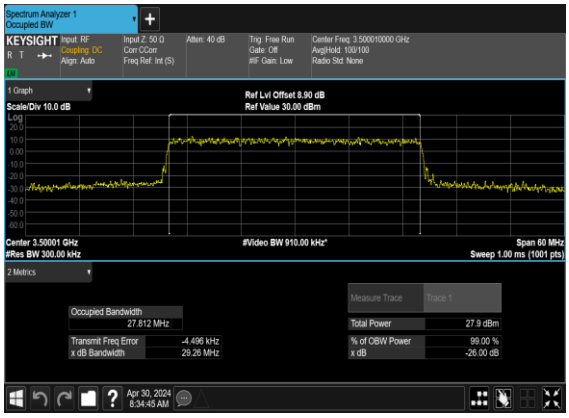
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



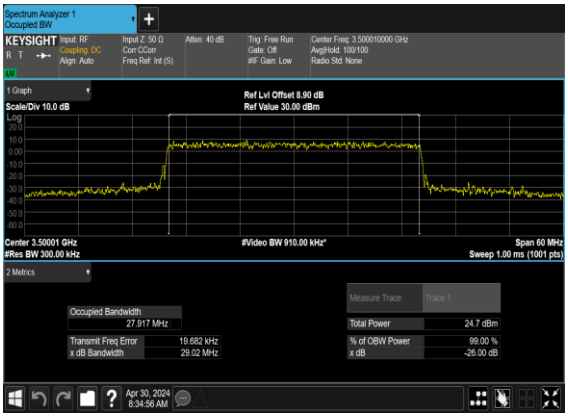

N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



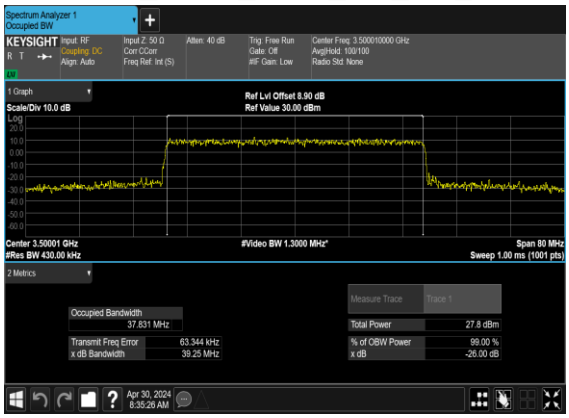

N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



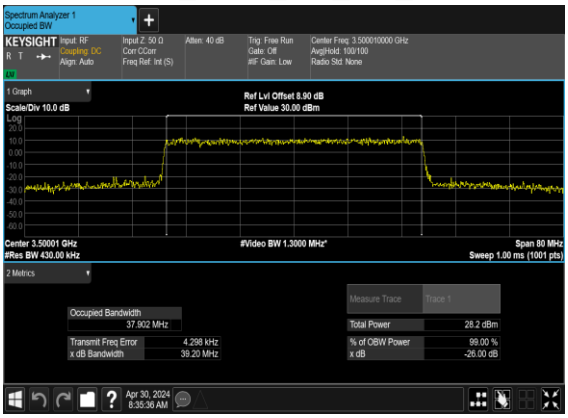

N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



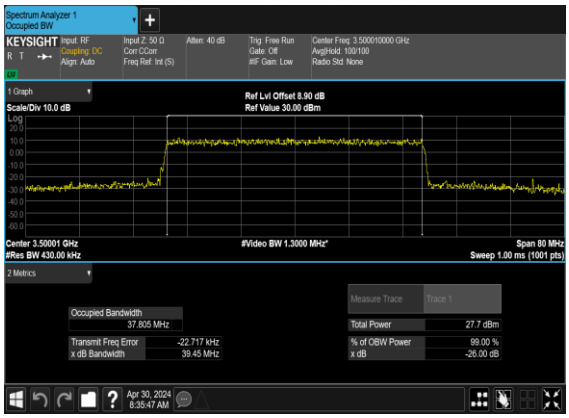

N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



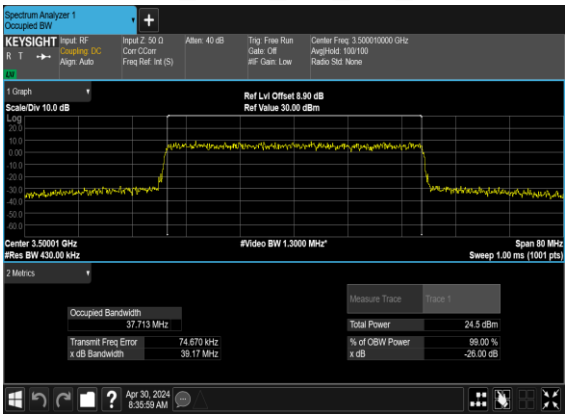

N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



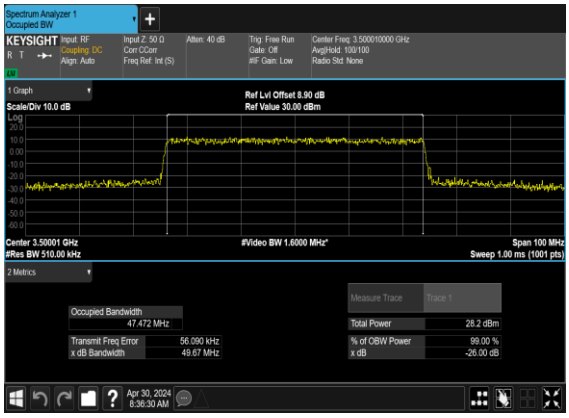
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



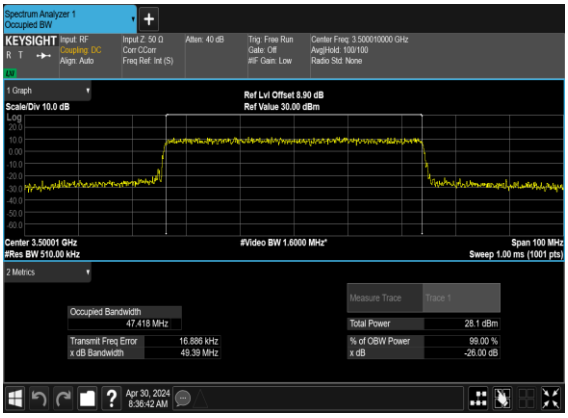

N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



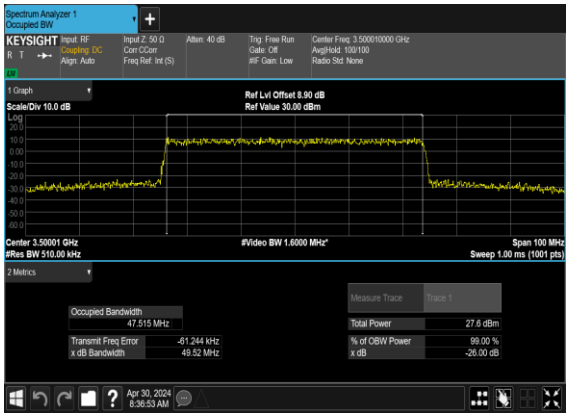

N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



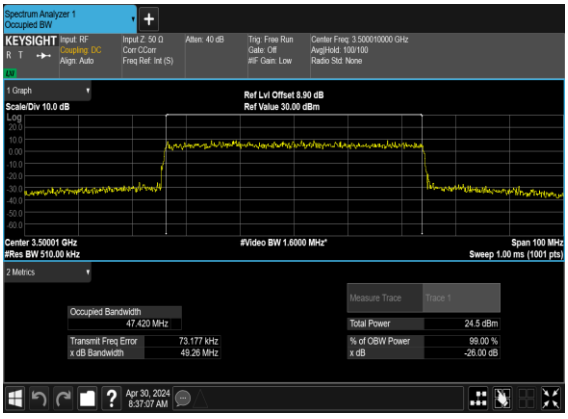

N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



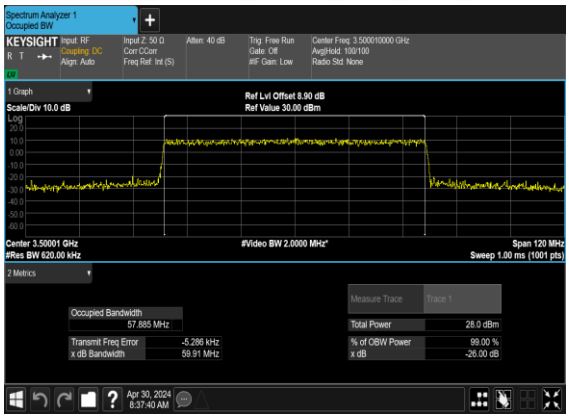

N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH




N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

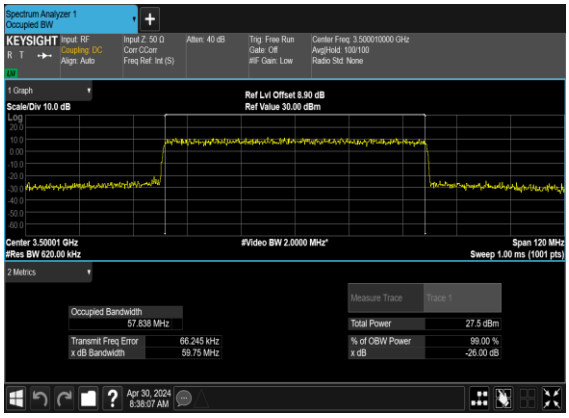


N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

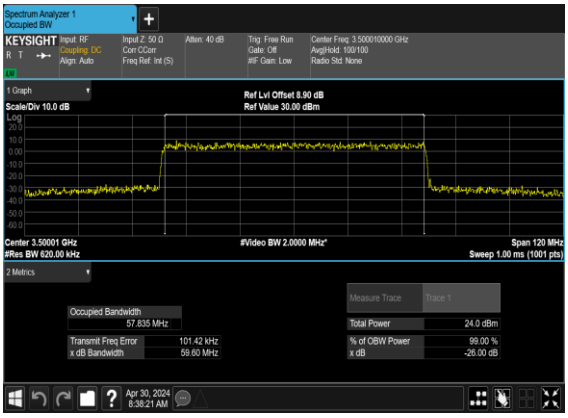



N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

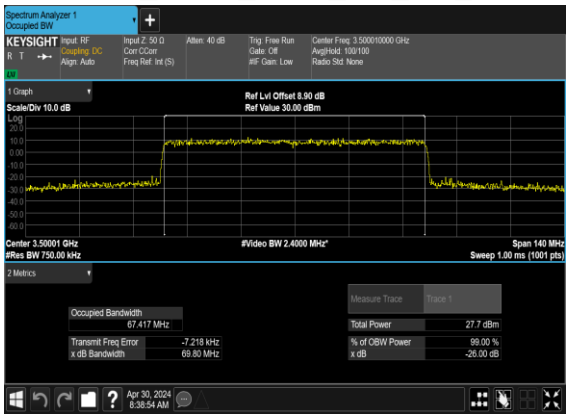

N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



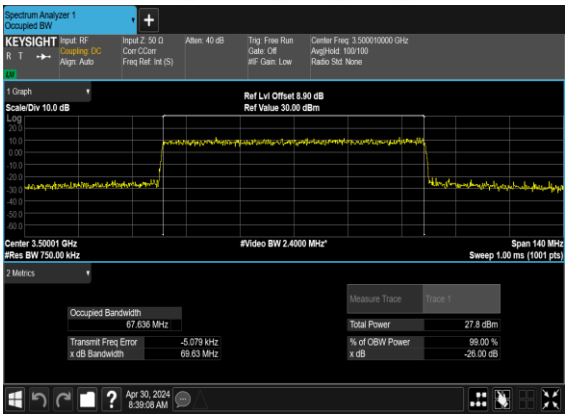

N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



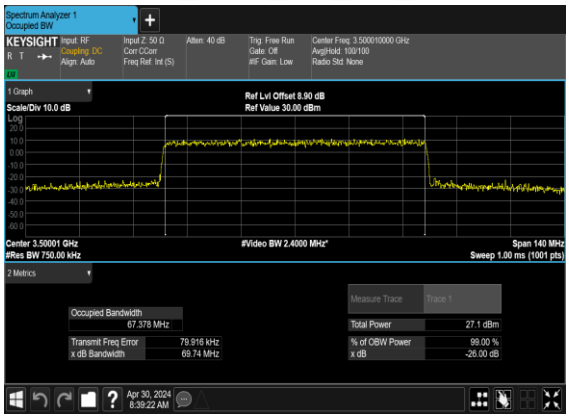

N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH




N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

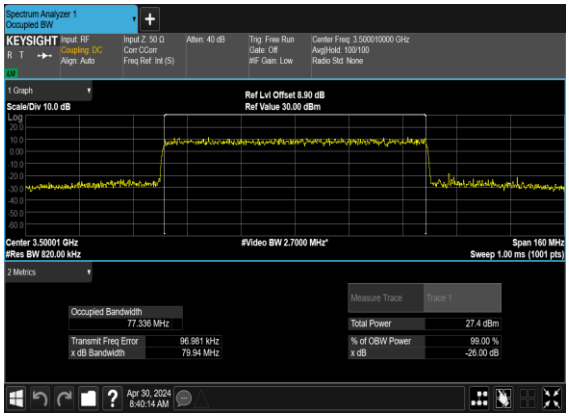


N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

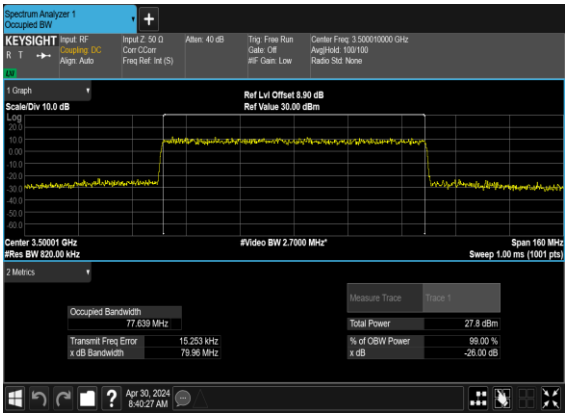



N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH


N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



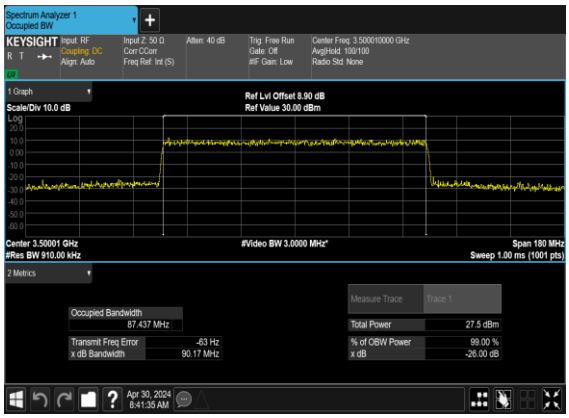

N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



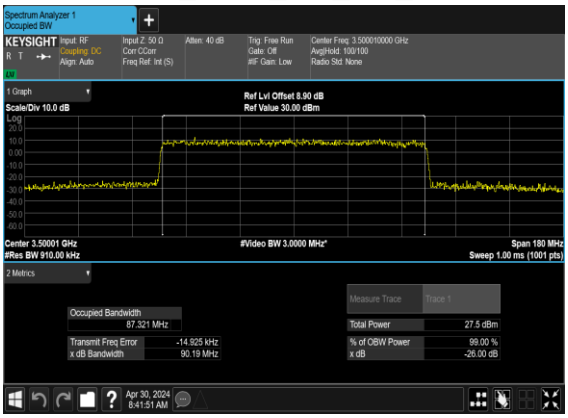

N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH


N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



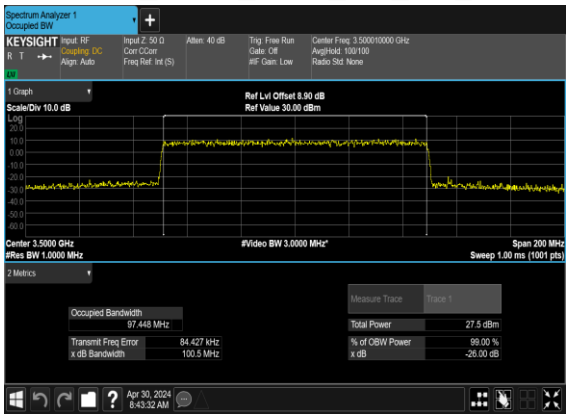

N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH




N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

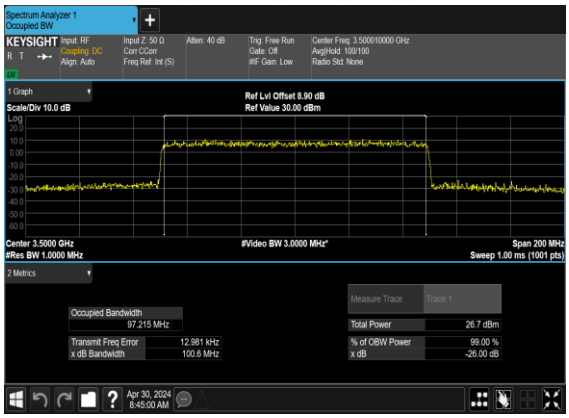

N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH


N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

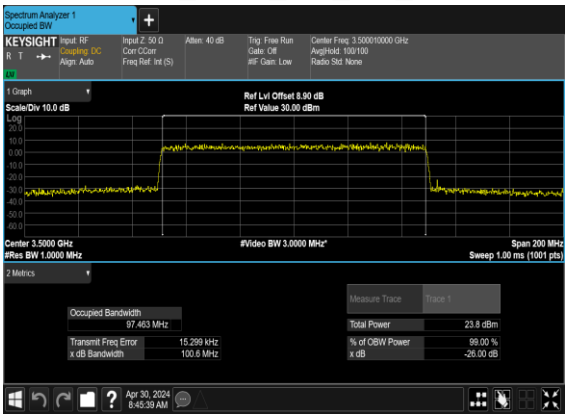



N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH




N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

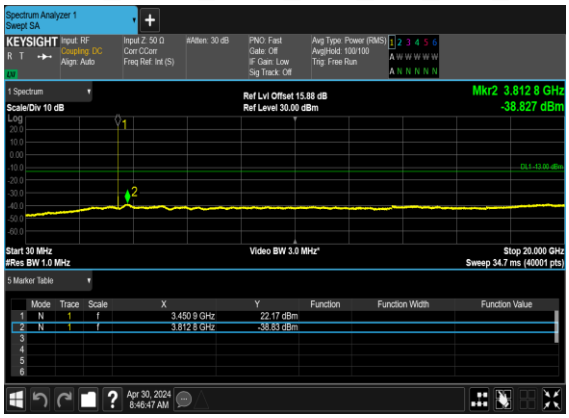


## Conducted Spurious Emissions

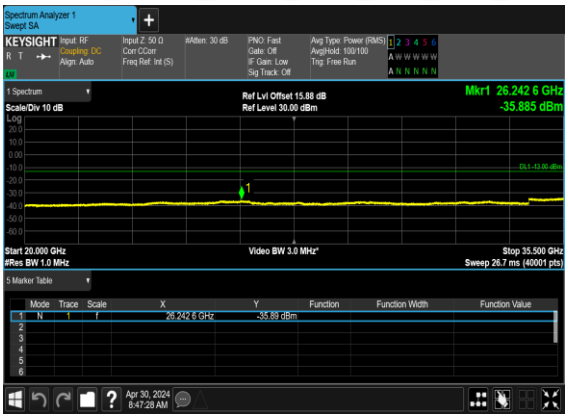
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **77** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **77** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **77** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **77** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |

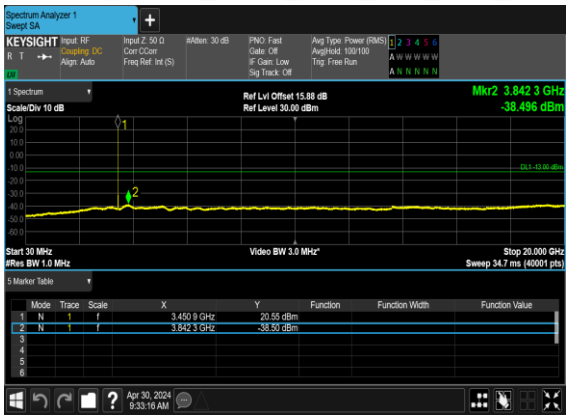
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



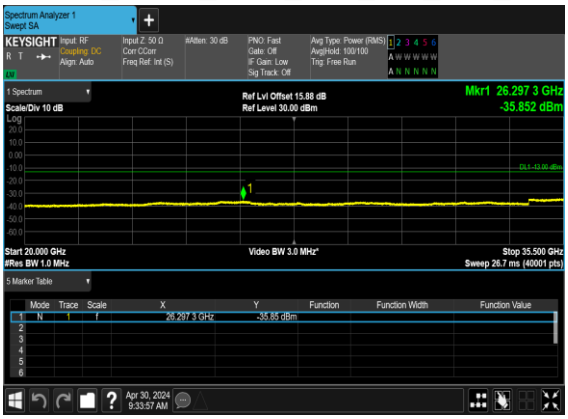

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



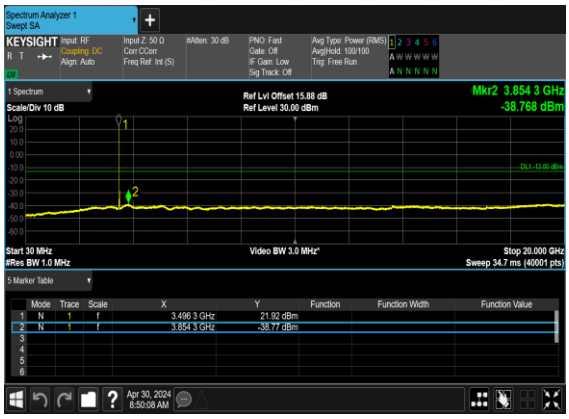

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



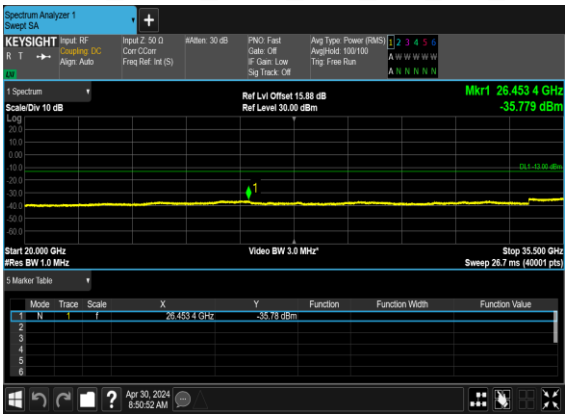

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



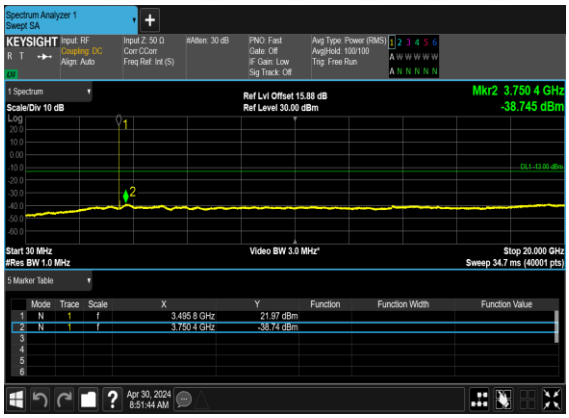

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



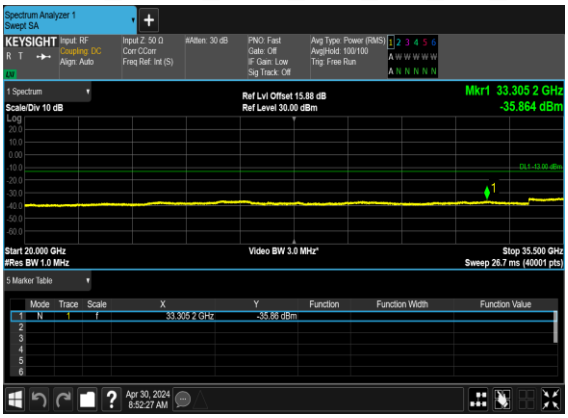

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



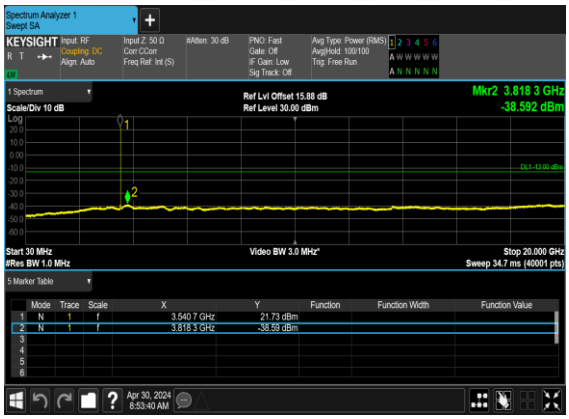
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



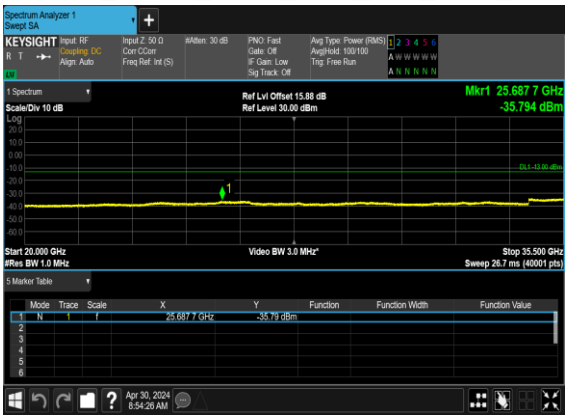

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



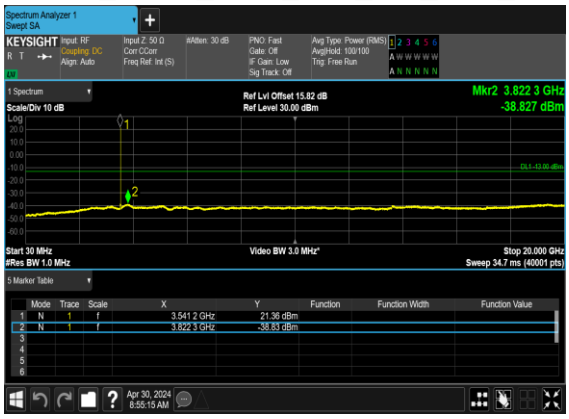

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



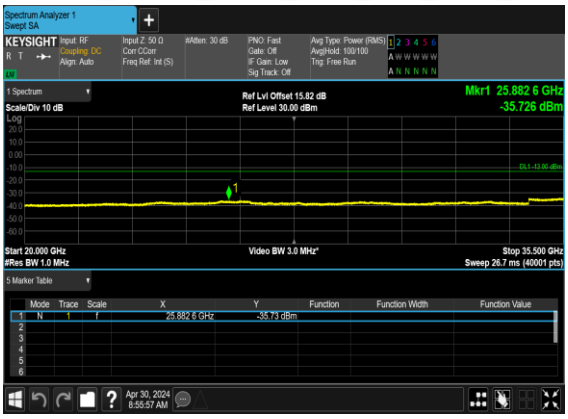

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



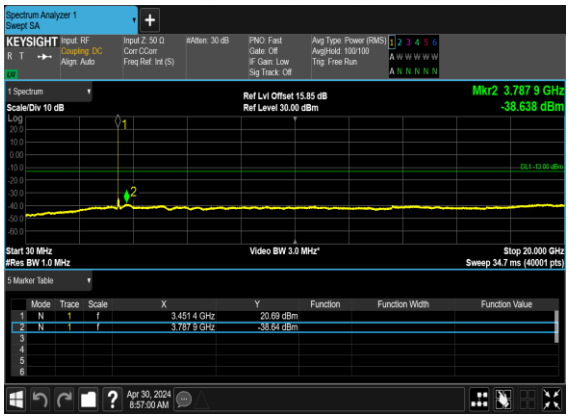

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



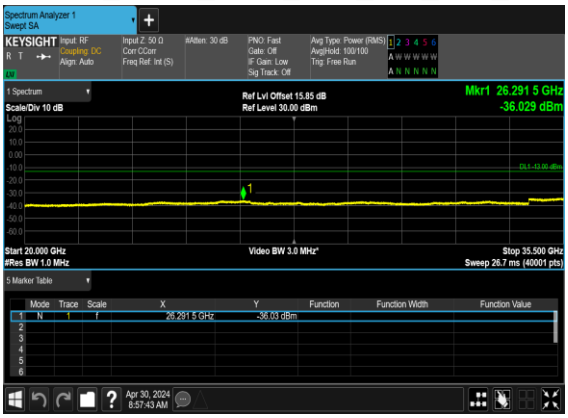

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



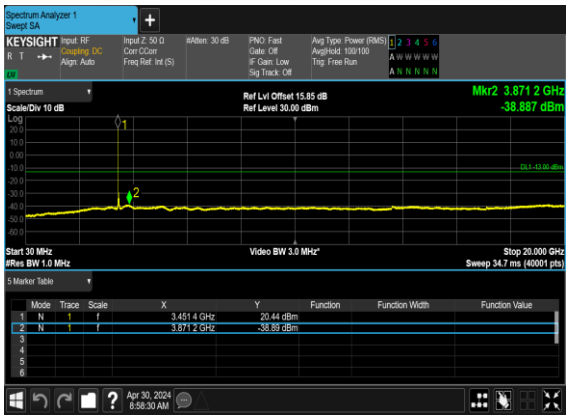
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



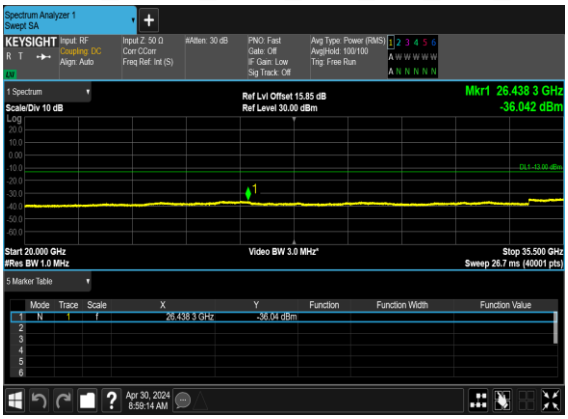

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



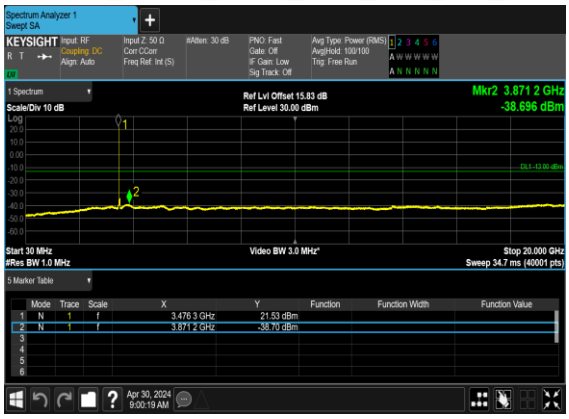

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



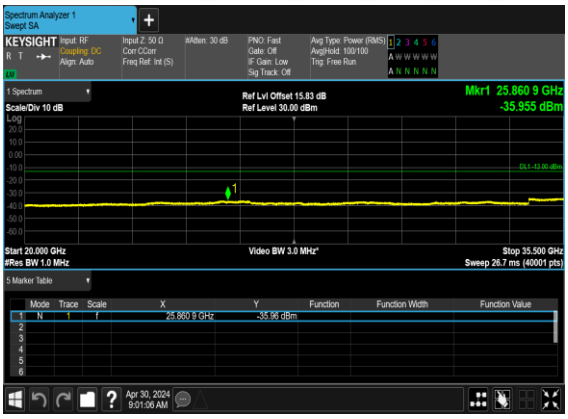

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



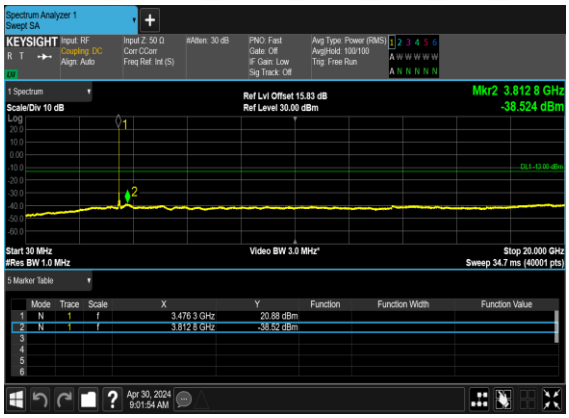

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



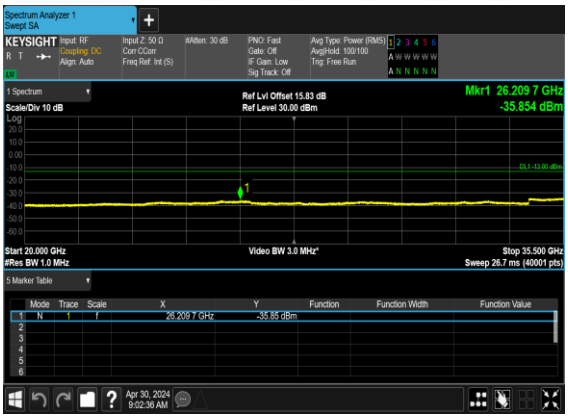

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



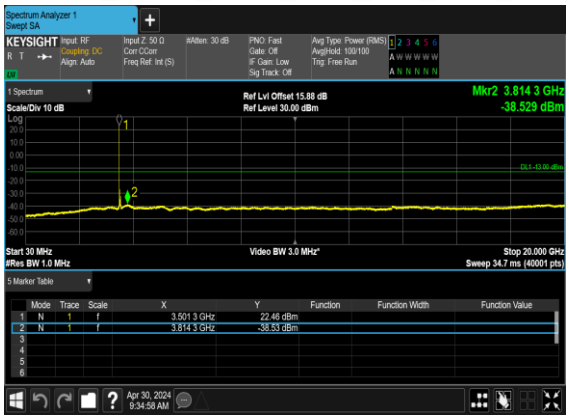
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



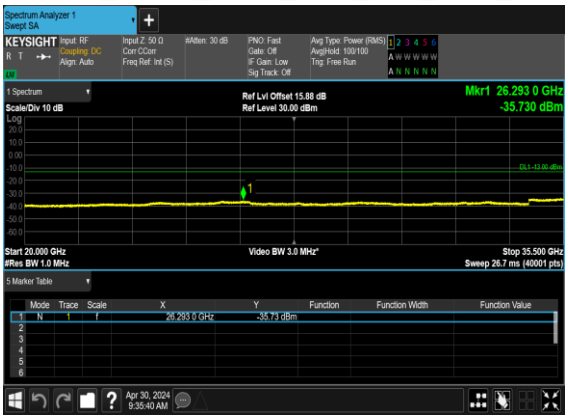

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



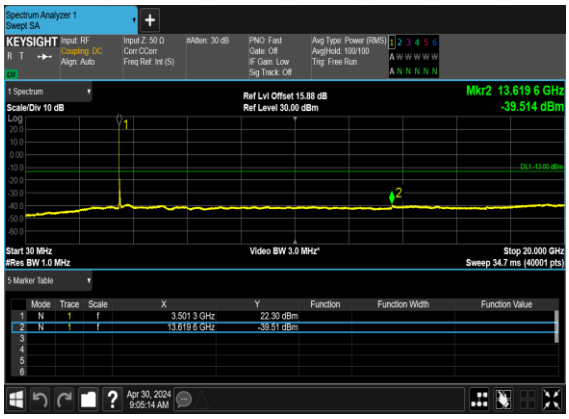

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



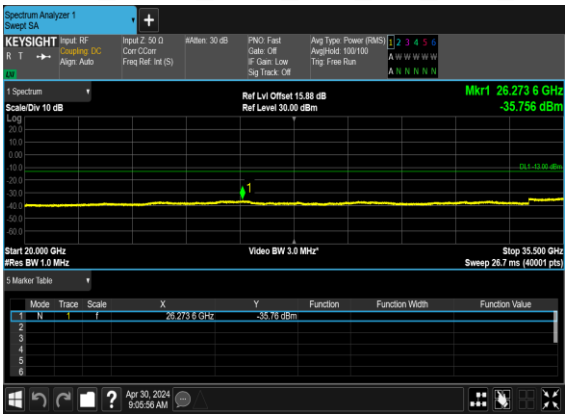

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



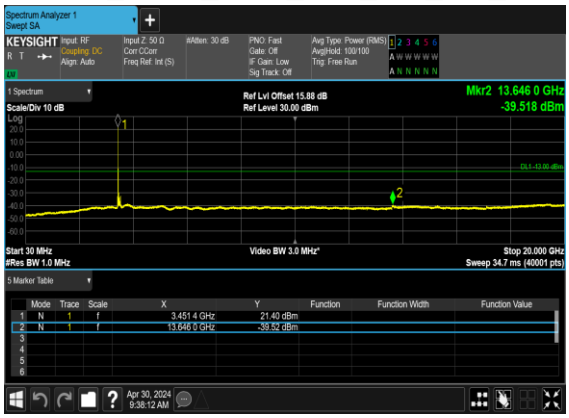

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



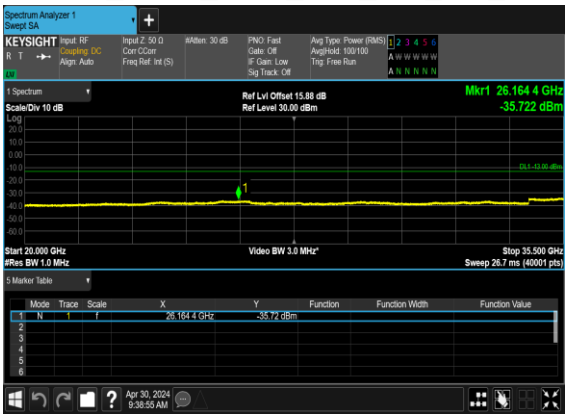

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



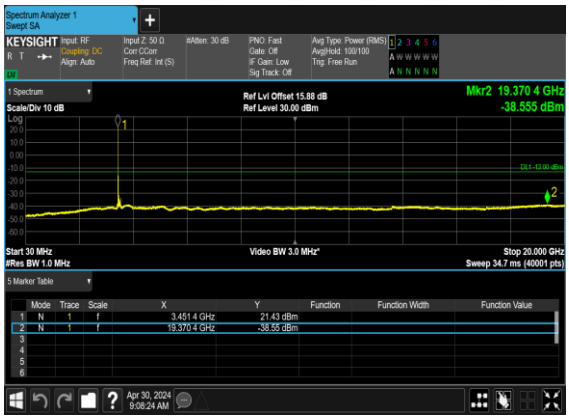
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



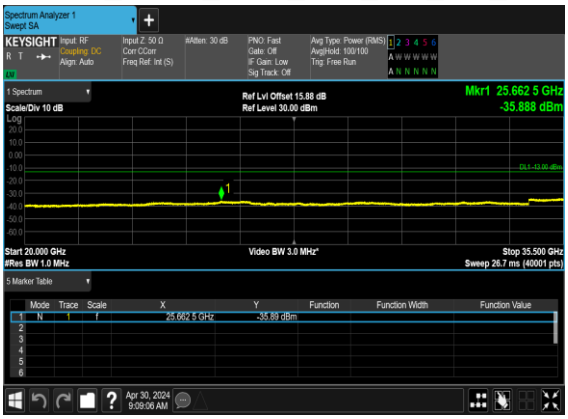

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH




N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



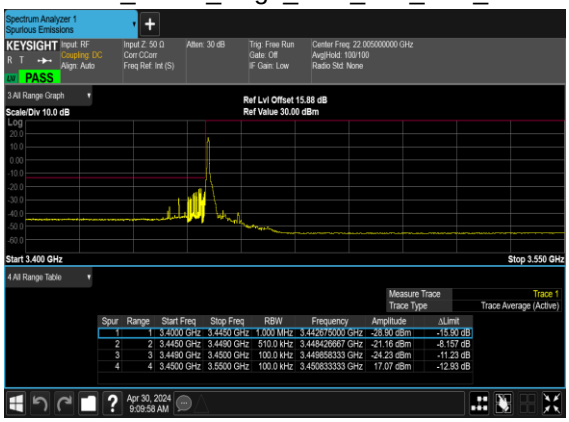

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



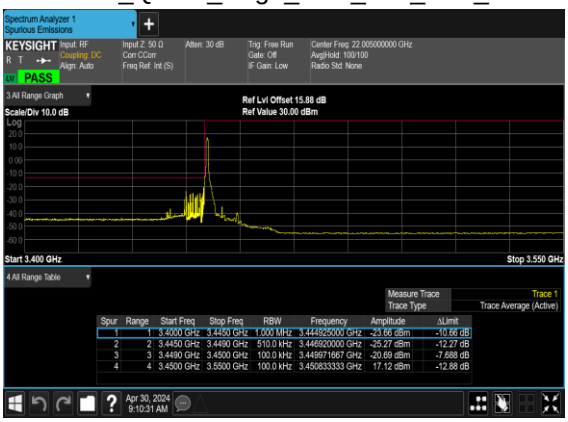
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM BPSK | 24@0 | see graph | **PASS** |
| **77** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM QPSK | 24@0 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM BPSK | 1@23 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM QPSK | 1@23 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM BPSK | 24@0 | see graph | **PASS** |
| **77** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM QPSK | 24@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM BPSK | 128@0 | see graph | **PASS** |
| **77** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 128@0 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM BPSK | 1@132 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM QPSK | 1@132 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM BPSK | 128@0 | see graph | **PASS** |
| **77** | 30 | 50 | 635000 | 3525.0 | DFT-s-OFDM QPSK | 128@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@272 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@272 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 270@0 | see graph | **PASS** |
| **77** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 270@0 | see graph | **PASS** |

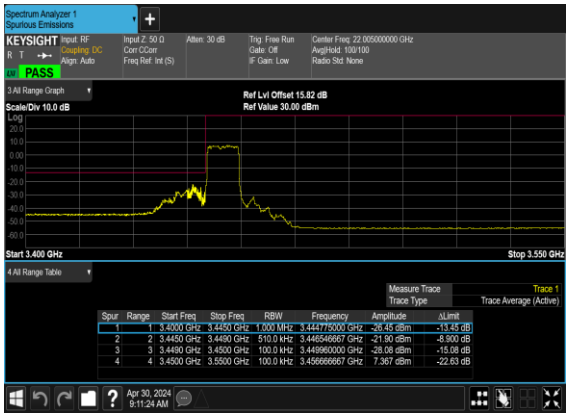
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



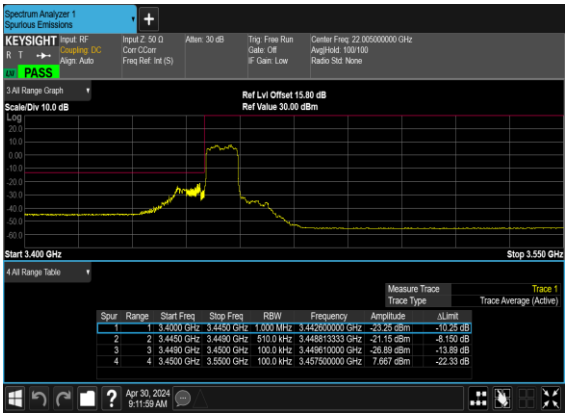

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



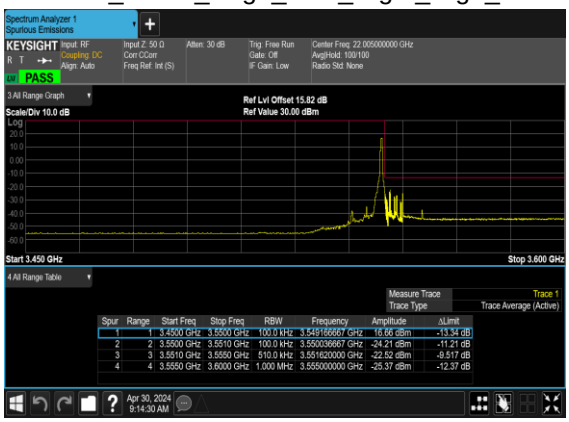

N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



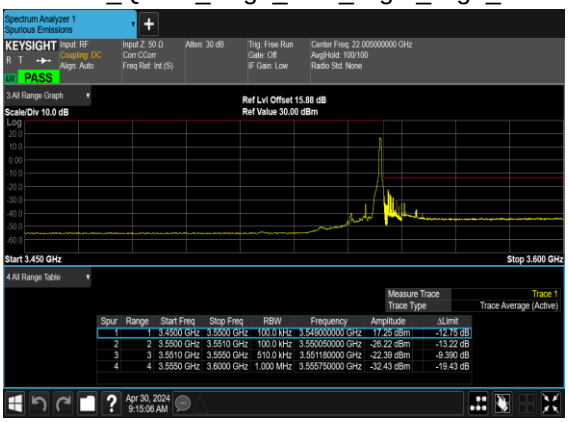

N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



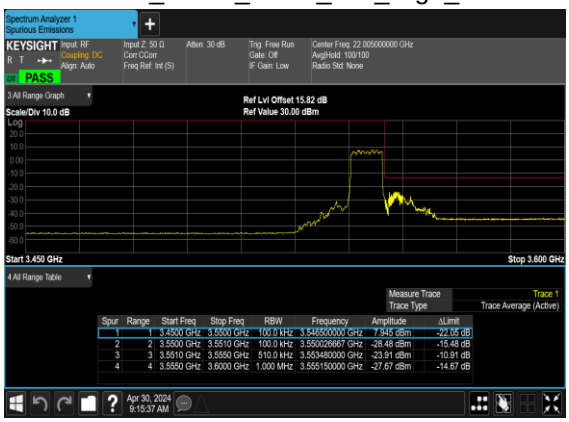

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



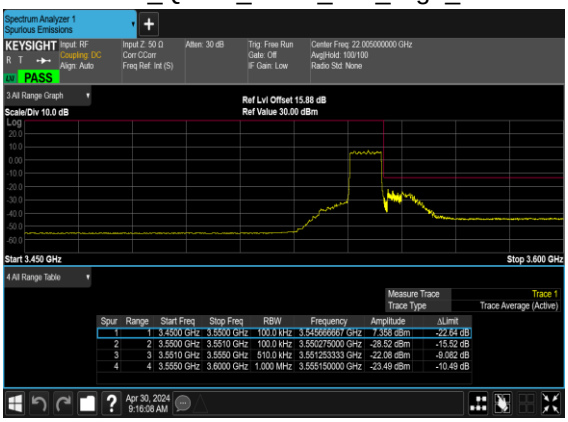

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



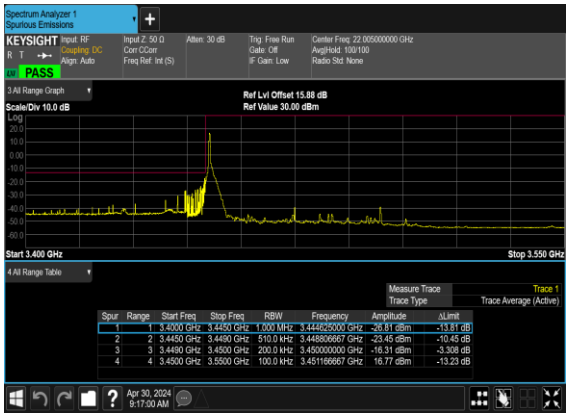
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



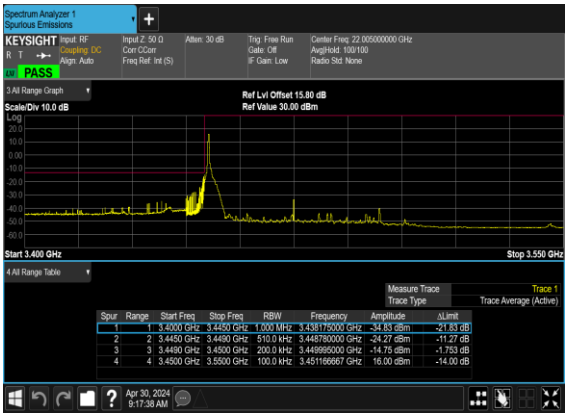

N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



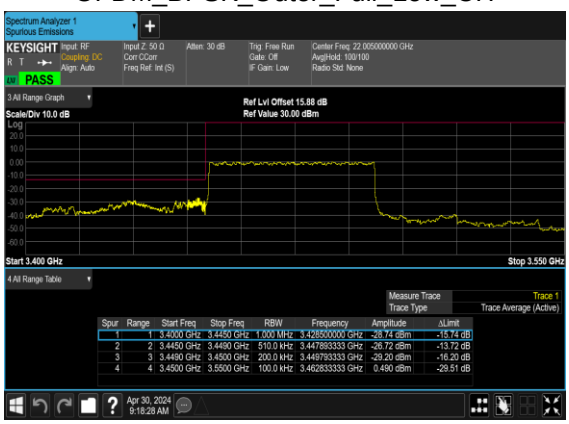

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



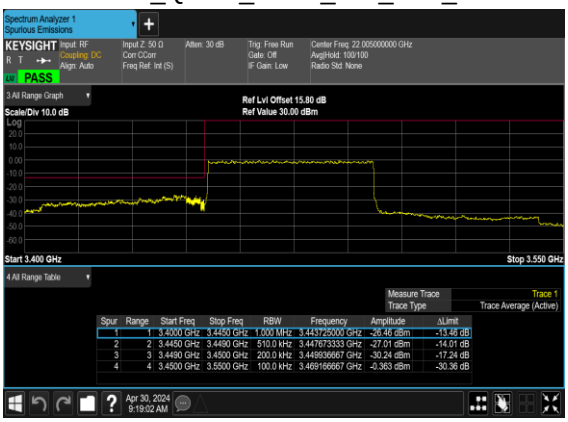

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



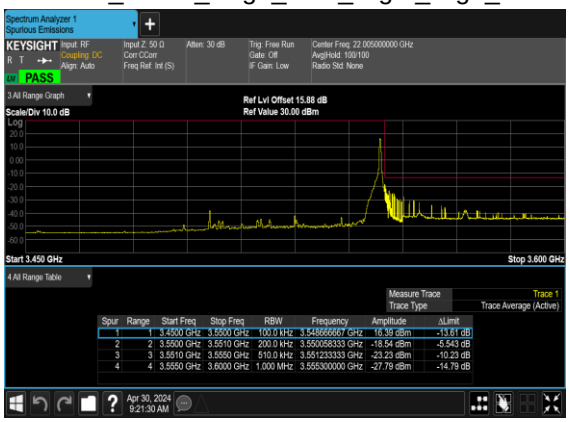

N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



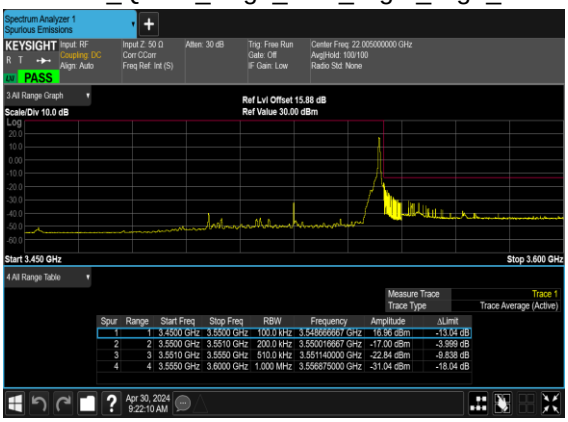

N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



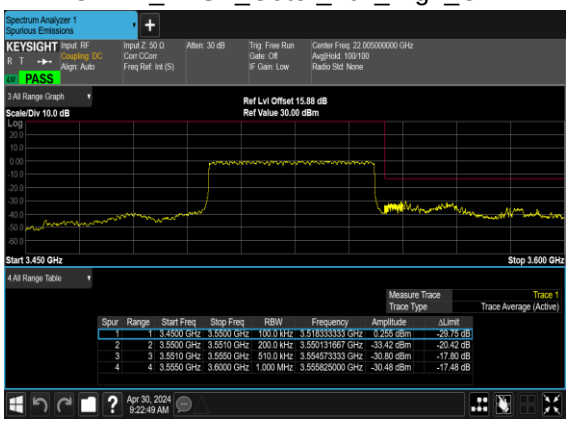
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



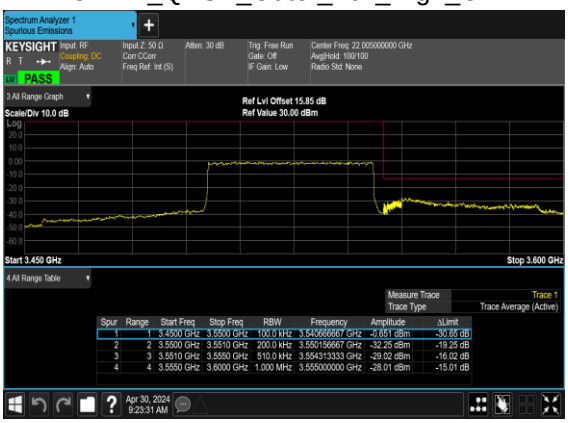

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH




N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

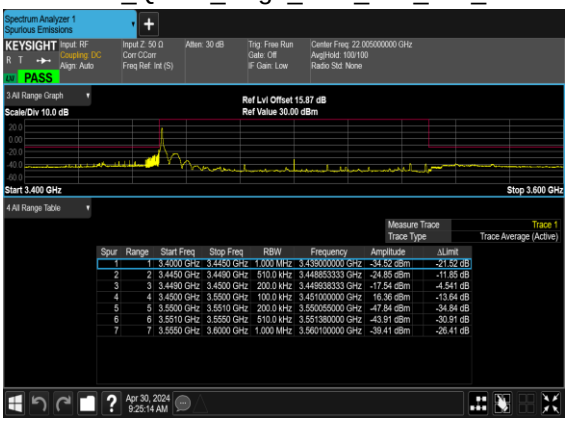



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

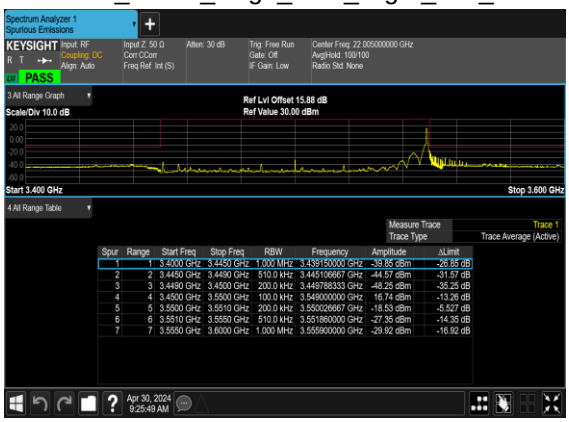



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

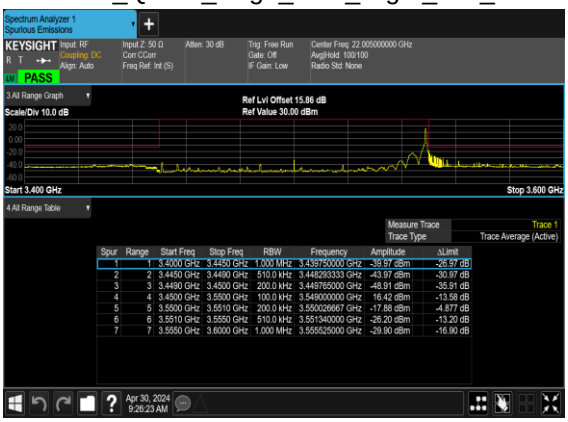

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



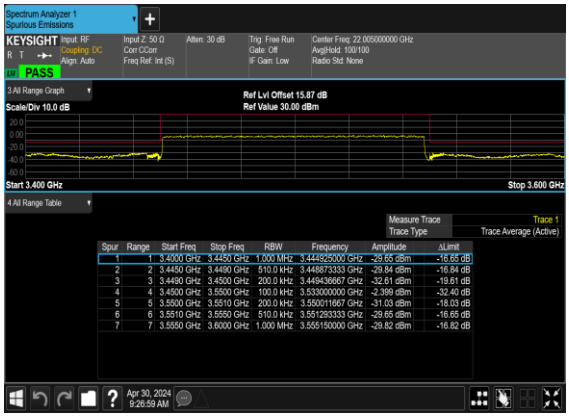
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



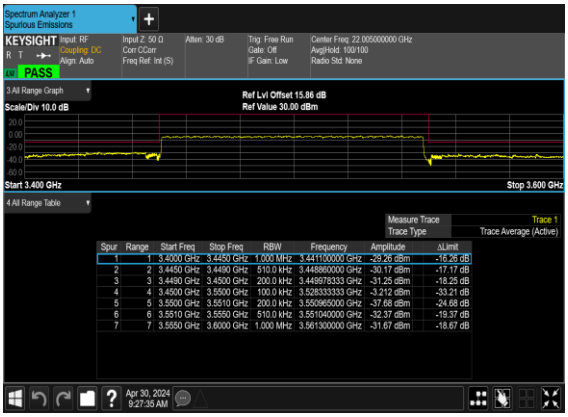

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH




N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH




N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



Software Version: 23.06.1602

# FR1 N78-SCS 30K

## Transmitter Conducted Output Power And EIRP, ($G_T$ - $L_C$)=3dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|---|---|---|---|---|
| **78** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM QPSK | 1@1 | 25.63 | 28.63 | 0.7295 |
| **78** | 30 | 10 | 630334 | 3455.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.76 | 27.76 | 0.5970 |
| **78** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.4 | 28.4 | 0.6918 |
| **78** | 30 | 10 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.46 | 27.46 | 0.5572 |
| **78** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM QPSK | 1@1 | 25.87 | 28.87 | 0.7709 |
| **78** | 30 | 10 | 636332 | 3544.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.64 | 27.64 | 0.5808 |
| **78** | 30 | 15 | 630500 | 3457.5 | DFT-s-OFDM QPSK | 1@1 | 25.83 | 28.83 | 0.7638 |
| **78** | 30 | 15 | 630500 | 3457.5 | DFT-s-OFDM 16 QAM | 1@1 | 24.71 | 27.71 | 0.5902 |
| **78** | 30 | 15 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.52 | 28.52 | 0.7112 |
| **78** | 30 | 15 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.59 | 27.59 | 0.5741 |
| **78** | 30 | 15 | 636166 | 3542.49 | DFT-s-OFDM QPSK | 1@1 | 25.87 | 28.87 | 0.7709 |
| **78** | 30 | 15 | 636166 | 3542.49 | DFT-s-OFDM 16 QAM | 1@1 | 24.63 | 27.63 | 0.5794 |
| **78** | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@1 | 25.55 | 28.55 | 0.7161 |
| **78** | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.62 | 27.62 | 0.5781 |
| **78** | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.34 | 28.34 | 0.6823 |
| **78** | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.34 | 27.34 | 0.5420 |
| **78** | 30 | 20 | 636000 | 3540 | DFT-s-OFDM QPSK | 1@1 | 25.6 | 28.6 | 0.7244 |
| **78** | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 16 QAM | 1@1 | 24.58 | 27.58 | 0.5728 |
| **78** | 30 | 30 | 631000 | 3465 | DFT-s-OFDM QPSK | 1@1 | 25.64 | 28.64 | 0.7311 |
| **78** | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 16 QAM | 1@1 | 24.57 | 27.57 | 0.5715 |
| **78** | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.47 | 28.47 | 0.7031 |
| **78** | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.37 | 27.37 | 0.5458 |
| **78** | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM QPSK | 1@1 | 25.61 | 28.61 | 0.7261 |
| **78** | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.6 | 27.6 | 0.5754 |
| **78** | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 1@1 | 25.3 | 28.3 | 0.6761 |
| **78** | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.17 | 27.17 | 0.5212 |
| **78** | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.16 | 28.16 | 0.6546 |
| **78** | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.02 | 27.02 | 0.5035 |
| **78** | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 1@1 | 25.41 | 28.41 | 0.6934 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **78** | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.38 | 27.38 | 0.5470 |
| **78** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@1 | 25.52 | 28.52 | 0.7112 |
| **78** | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.43 | 27.43 | 0.5534 |
| **78** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.34 | 28.34 | 0.6823 |
| **78** | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.4 | 27.4 | 0.5495 |
| **78** | 30 | 50 | 635000 | 3525 | DFT-s-OFDM QPSK | 1@1 | 25.41 | 28.41 | 0.6934 |
| **78** | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 16 QAM | 1@1 | 24.38 | 27.38 | 0.5470 |
| **78** | 30 | 60 | 632000 | 3480 | DFT-s-OFDM QPSK | 1@1 | 25.57 | 28.57 | 0.7194 |
| **78** | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 16 QAM | 1@1 | 24.55 | 27.55 | 0.5689 |
| **78** | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.35 | 28.35 | 0.6839 |
| **78** | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.5 | 27.5 | 0.5623 |
| **78** | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 1@1 | 25.47 | 28.47 | 0.7031 |
| **78** | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.36 | 27.36 | 0.5445 |
| **78** | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM QPSK | 1@1 | 25.52 | 28.52 | 0.7112 |
| **78** | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.39 | 27.39 | 0.5483 |
| **78** | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.38 | 28.38 | 0.6887 |
| **78** | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.36 | 27.36 | 0.5445 |
| **78** | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM QPSK | 1@1 | 25.18 | 28.18 | 0.6577 |
| **78** | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.39 | 27.39 | 0.5483 |
| **78** | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 1@1 | 25.43 | 28.43 | 0.6966 |
| **78** | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.4 | 27.4 | 0.5495 |
| **78** | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.36 | 28.36 | 0.6855 |
| **78** | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.34 | 27.34 | 0.5420 |
| **78** | 30 | 80 | 634000 | 3510 | DFT-s-OFDM QPSK | 1@1 | 25.37 | 28.37 | 0.6871 |
| **78** | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 16 QAM | 1@1 | 24.34 | 27.34 | 0.5420 |
| **78** | 30 | 90 | 633000 | 3495 | DFT-s-OFDM QPSK | 1@1 | 25.23 | 28.23 | 0.6653 |
| **78** | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 16 QAM | 1@1 | 24.27 | 27.27 | 0.5333 |
| **78** | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.34 | 28.34 | 0.6823 |
| **78** | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.13 | 27.13 | 0.5164 |
| **78** | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM QPSK | 1@1 | 25.39 | 28.39 | 0.6902 |
| **78** | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.17 | 27.17 | 0.5212 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.86 | 28.86 | 0.7691 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.32 | 28.32 | 0.6792 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.2 | 28.2 | 0.6607 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 135@67 | 25.89 | 28.89 | 0.7745 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.45 | 28.45 | 0.6998 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@271 | 25.23 | 28.23 | 0.6653 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 135@67 | 24.87 | 27.87 | 0.6124 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.21 | 27.21 | 0.5260 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@271 | 23.99 | 26.99 | 0.5000 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 135@67 | 23.28 | 26.28 | 0.4246 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 22.7 | 25.7 | 0.3715 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@271 | 22.56 | 25.56 | 0.3597 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 135@67 | 21.42 | 24.42 | 0.2767 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.21 | 24.21 | 0.2636 |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@271 | 21.11 | 24.11 | 0.2576 |
| **78** | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 137@68 | 24.34 | 27.34 | 0.5420 |
| **78** | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 23.89 | 26.89 | 0.4887 |
| **78** | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 1@271 | 23.61 | 26.61 | 0.4581 |

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | Qingsheng He | Temperature : | 22~25℃ |
|---|---|---|---|
| | | Relative Humidity : | 48~52% |

| n77 SA / NR 100MHz / QPSK / Sample 1 & Monopole Antenna | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 6912.38 | -57.99 | -13 | -44.99 | -65.49 | -59.51 | 11.98 | 13.50 | H |
| | 10368.57 | -56.01 | -13 | -43.01 | -68.05 | -56.01 | 13.60 | 13.60 | H |
| | 13824.76 | -53.77 | -13 | -40.77 | -69.59 | -53.37 | 15.50 | 15.10 | H |
| | 6912.38 | -55.73 | -13 | -42.73 | -64.33 | -57.25 | 11.98 | 13.50 | V |
| | 10368.57 | -53.90 | -13 | -40.90 | -67.8 | -53.90 | 13.60 | 13.60 | V |
| | 13824.76 | -54.92 | -13 | -41.92 | -69.59 | -54.52 | 15.50 | 15.10 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / Sample 1 & Monopole Antenna | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| NR n77 Middle | 6912.38 | -57.81 | -13 | -44.81 | -65.31 | -59.33 | 11.98 | 13.50 | H |
| | 10368.57 | -56.32 | -13 | -43.32 | -68.36 | -56.32 | 13.60 | 13.60 | H |
| | 13824.76 | -53.50 | -13 | -40.50 | -69.32 | -53.10 | 15.50 | 15.10 | H |
| | 6912.38 | -56.70 | -13 | -43.70 | -65.3 | -58.22 | 11.98 | 13.50 | V |
| | 10368.57 | -54.47 | -13 | -41.47 | -68.37 | -54.47 | 13.60 | 13.60 | V |
| | 13824.76 | -55.03 | -13 | -42.03 | -69.7 | -54.63 | 15.50 | 15.10 | V |
| LTE Band30 Middle | 4611.00 | -58.16 | -40 | -18.16 | -82.72 | -64.41 | 6.45 | 12.70 | H |
| | 6916.50 | -58.36 | -40 | -18.36 | -65.86 | -61.76 | 8.40 | 11.80 | H |
| | 9222.00 | -59.46 | -40 | -19.46 | -68.98 | -61.81 | 9.65 | 12.00 | H |
| | 4611.00 | -58.19 | -40 | -18.19 | -82.88 | -64.44 | 6.45 | 12.70 | V |
| | 6916.50 | -57.26 | -40 | -17.26 | -65.86 | -60.66 | 8.40 | 11.80 | V |
| | 9222.00 | -57.53 | -40 | -17.53 | -69.28 | -59.88 | 9.65 | 12.00 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.