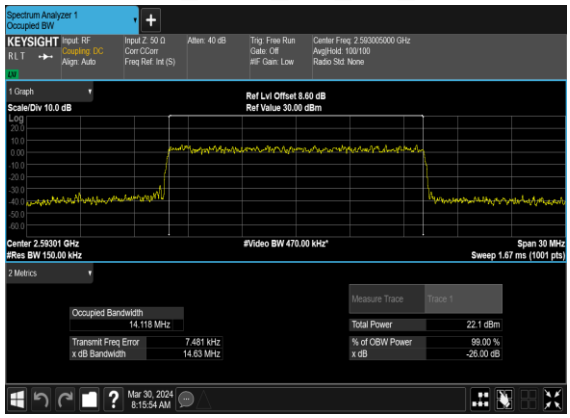
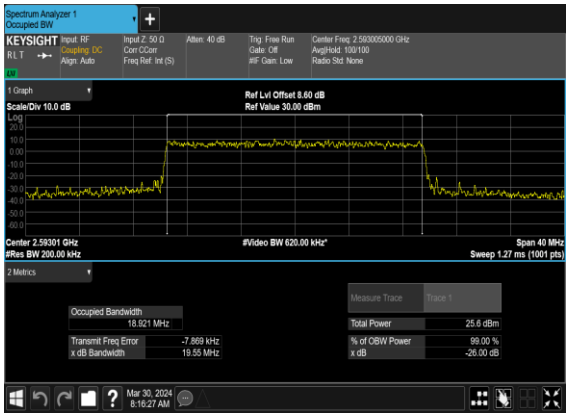
N41(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

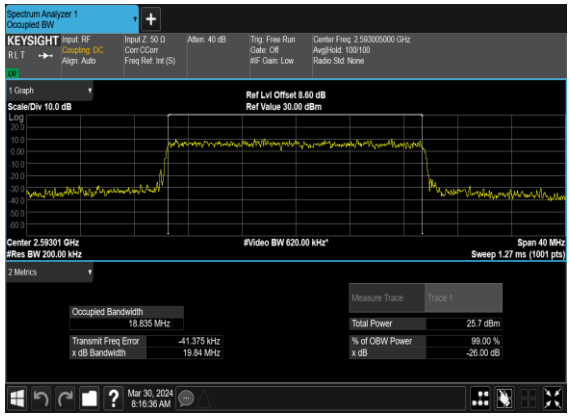
N41(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



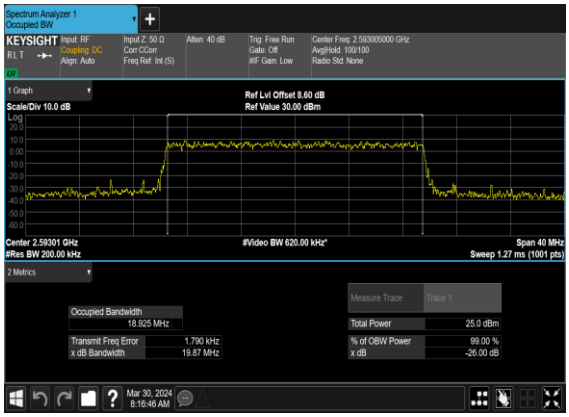

N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



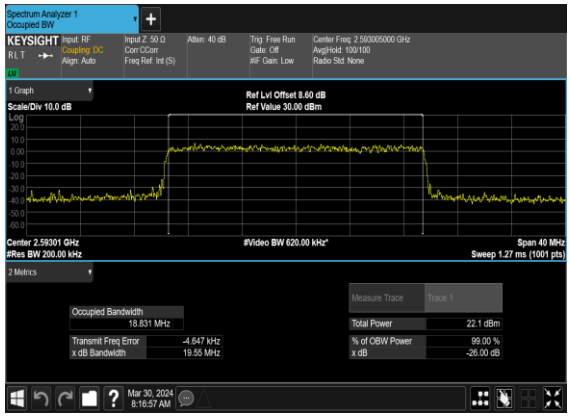

N41(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



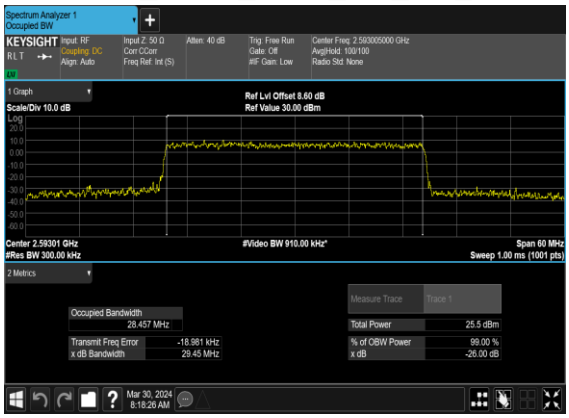

N41(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH




N41(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

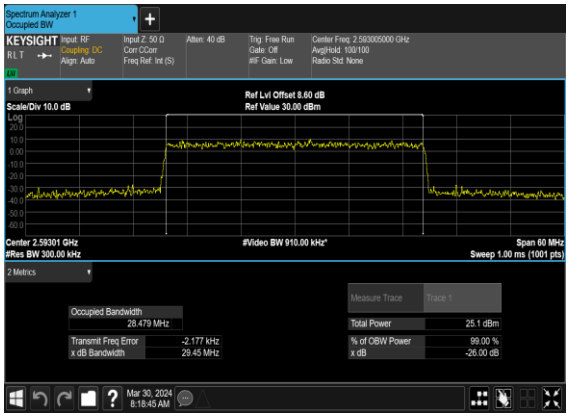


N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

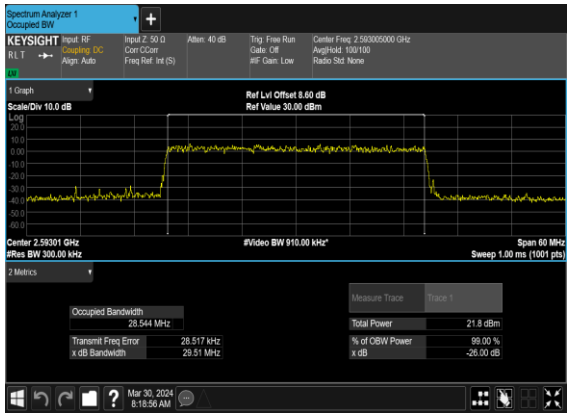



N41(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

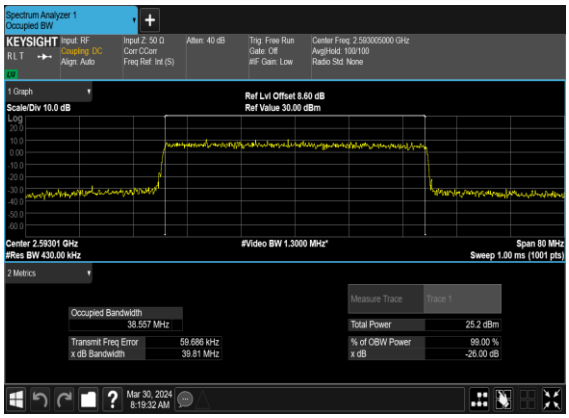
N41(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



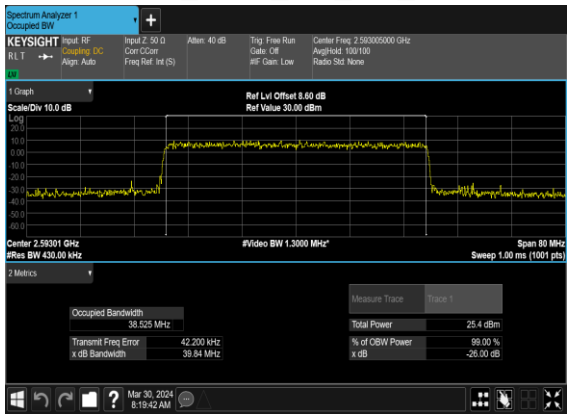

N41(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



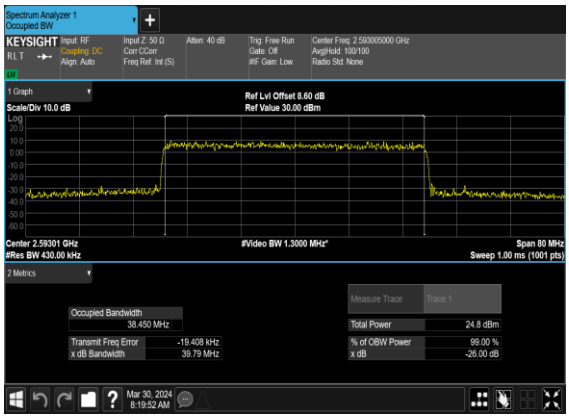

N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



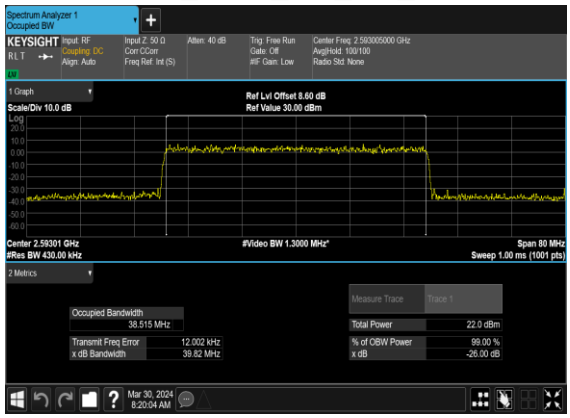

N41(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



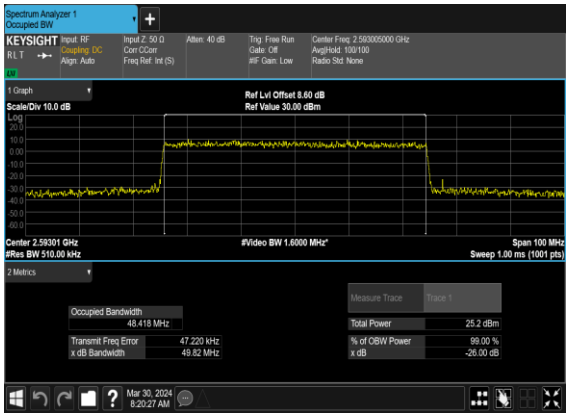
N41(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



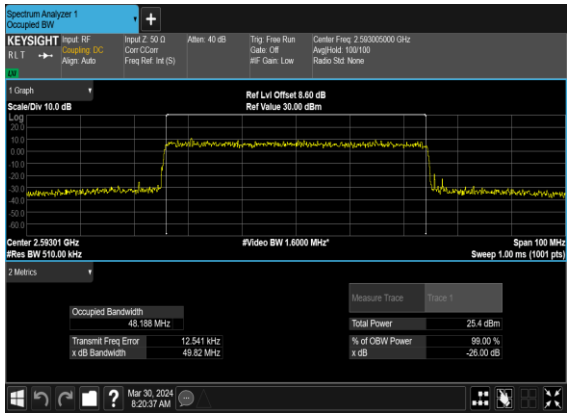

N41(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH




N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

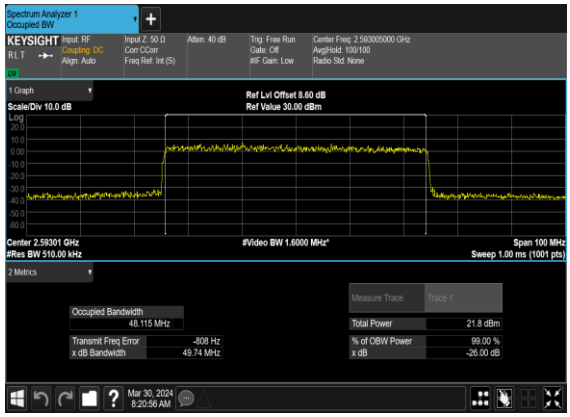



N41(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH




N41(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

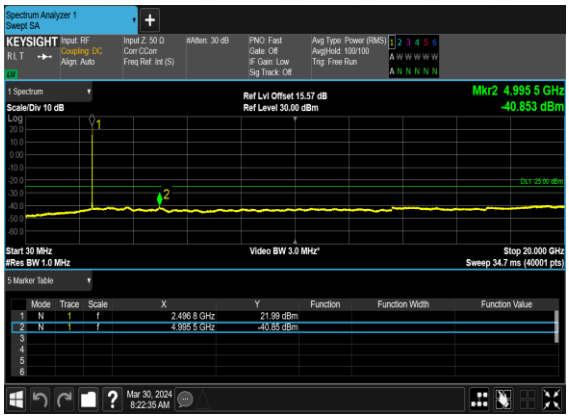


## Conducted Spurious Emissions

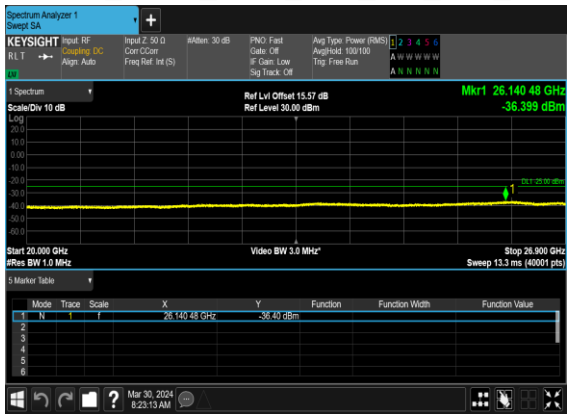
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 10 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 10 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 20 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 20 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 50 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 518601 | 2593.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 50 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 518601 | 2593.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |

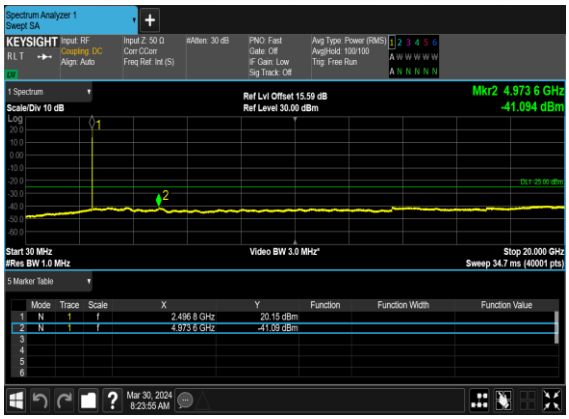
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



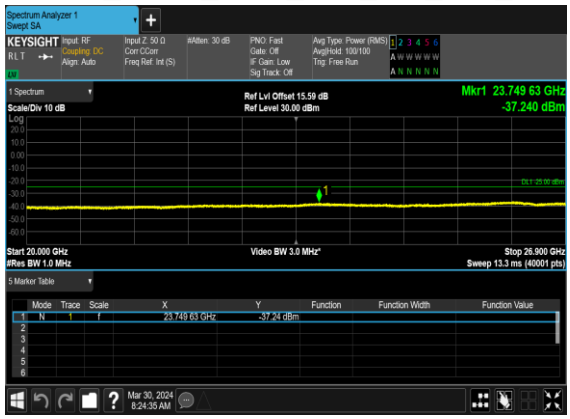

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



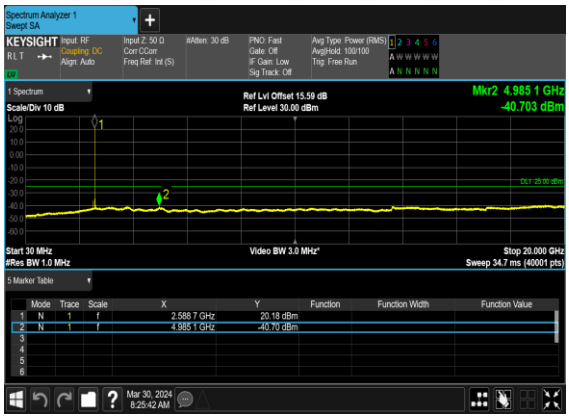

N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



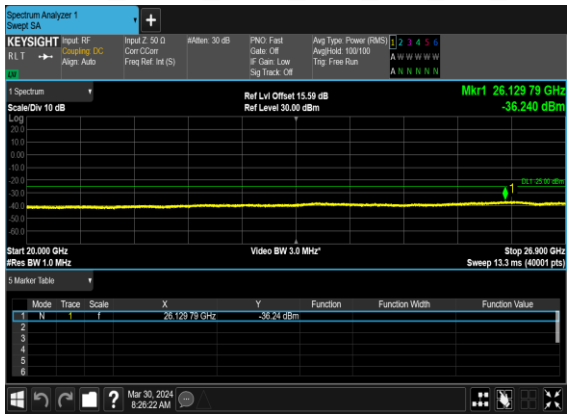

N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



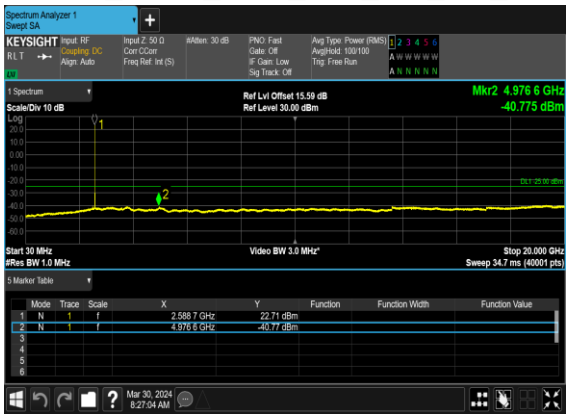

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



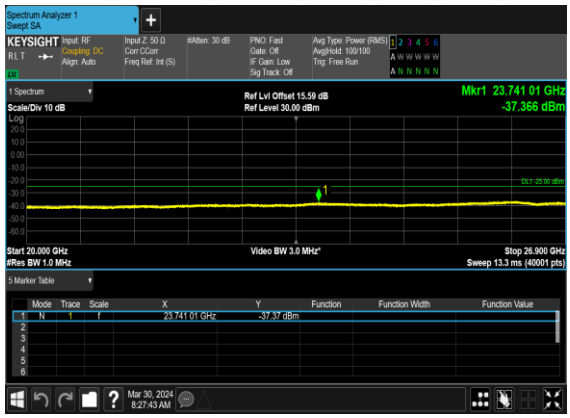

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



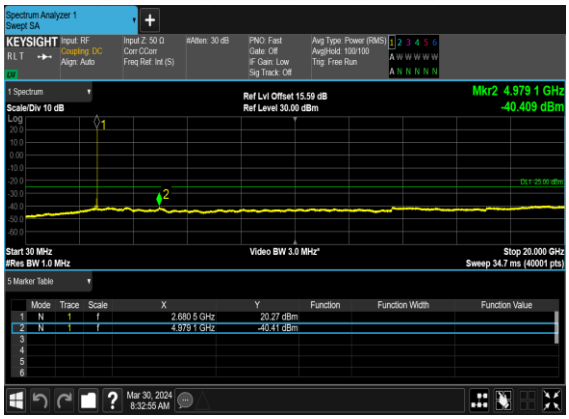
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



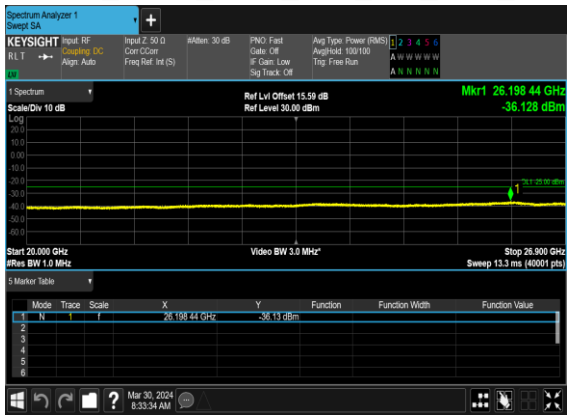

N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



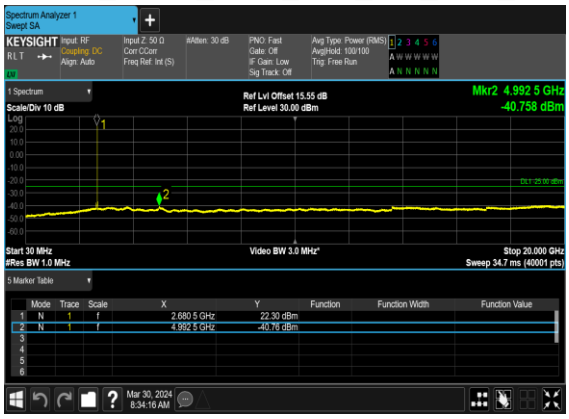

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



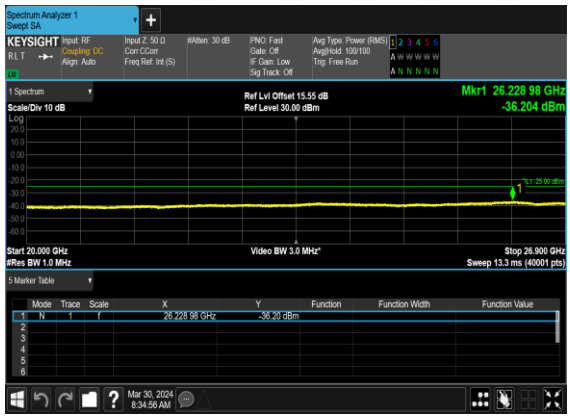

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



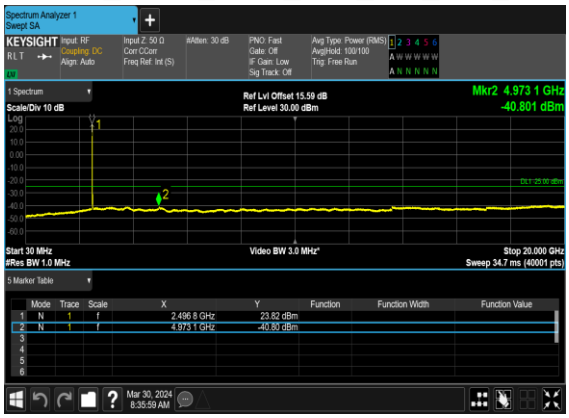

N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



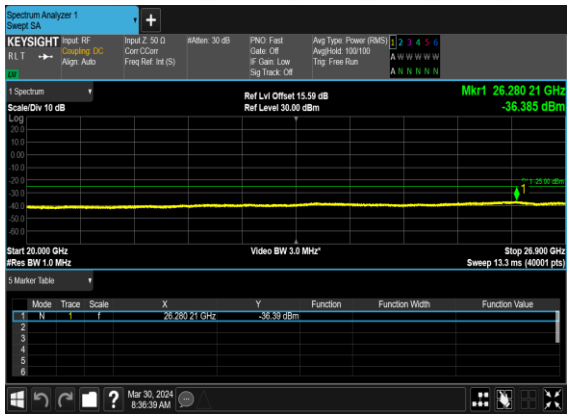

N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



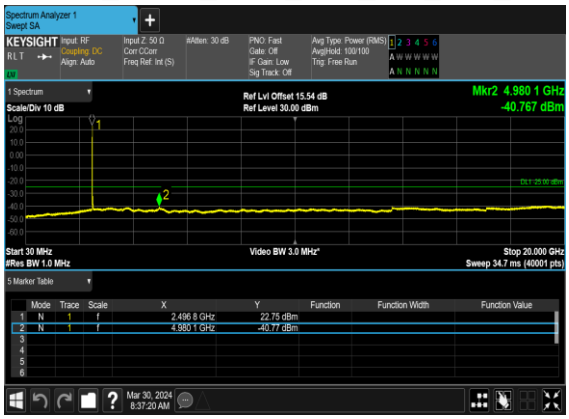
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



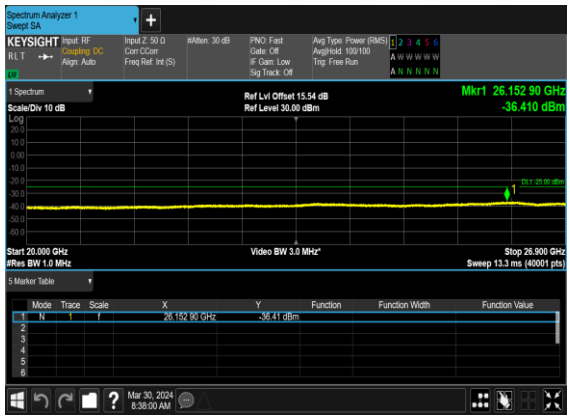

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



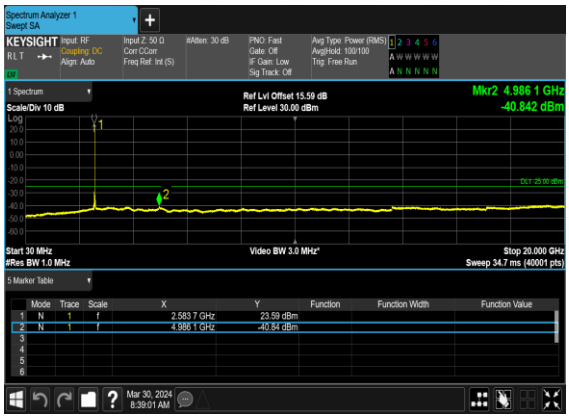

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



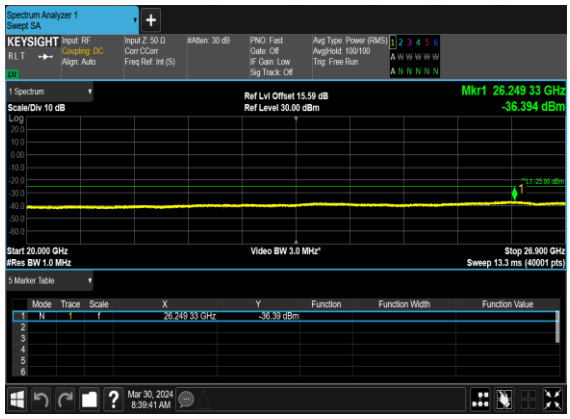

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



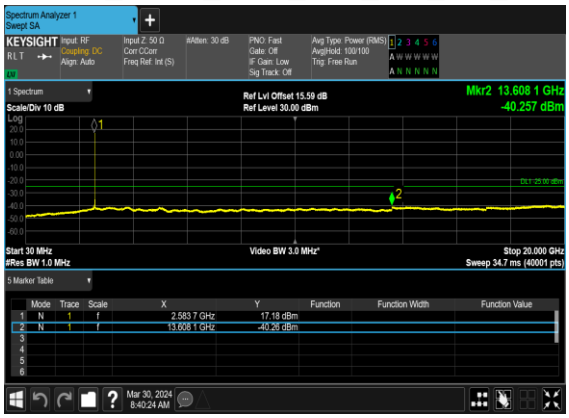

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



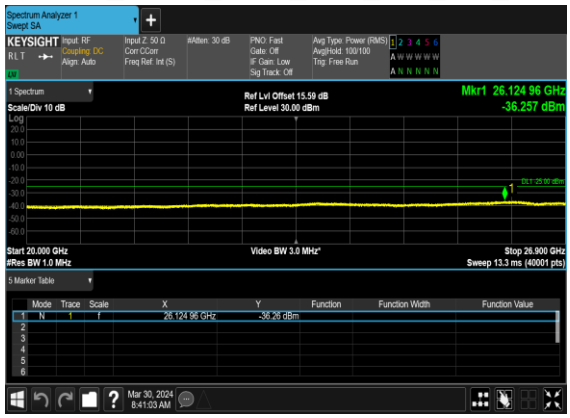

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



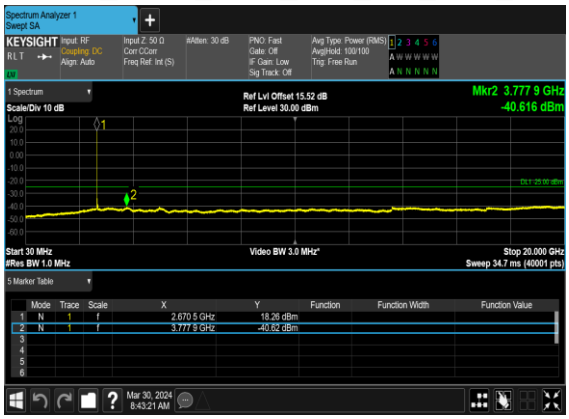
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



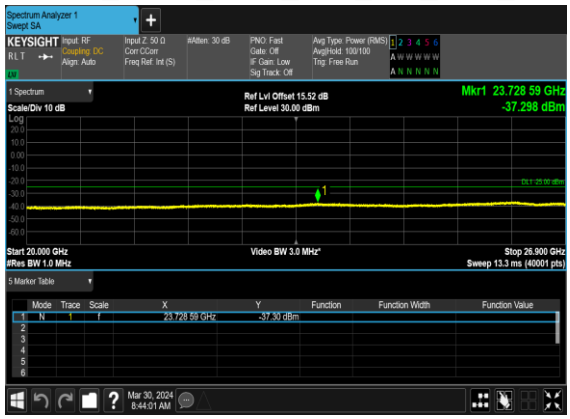

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



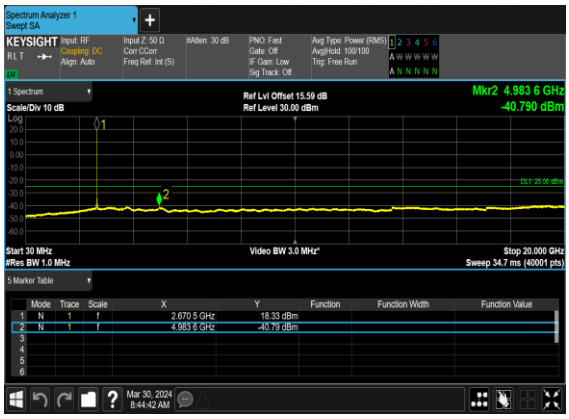

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



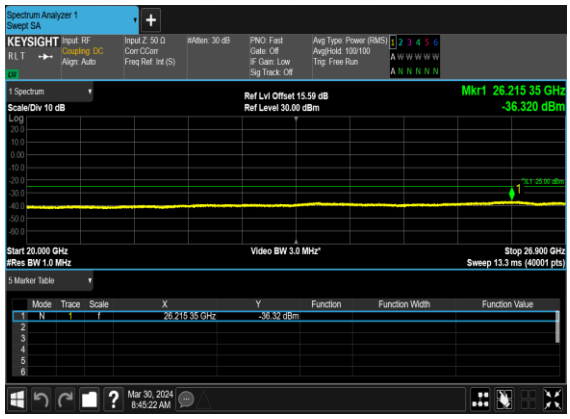

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



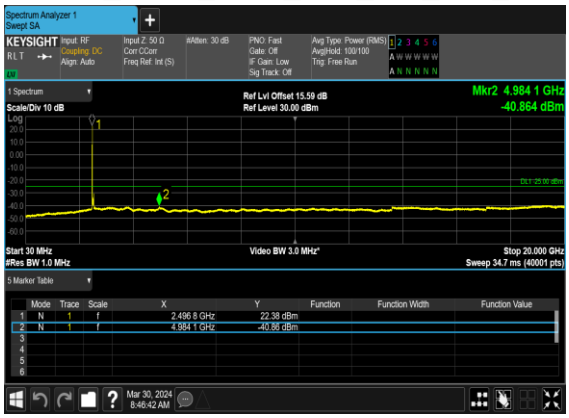

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



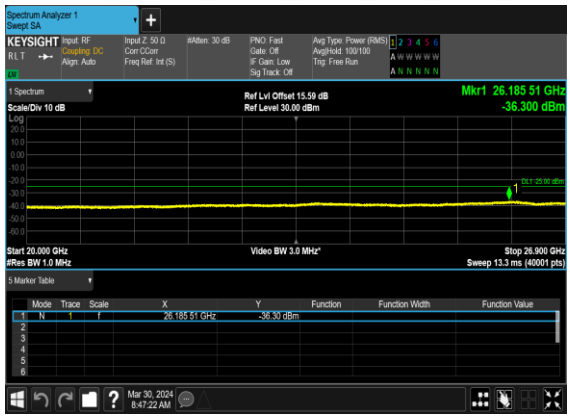

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



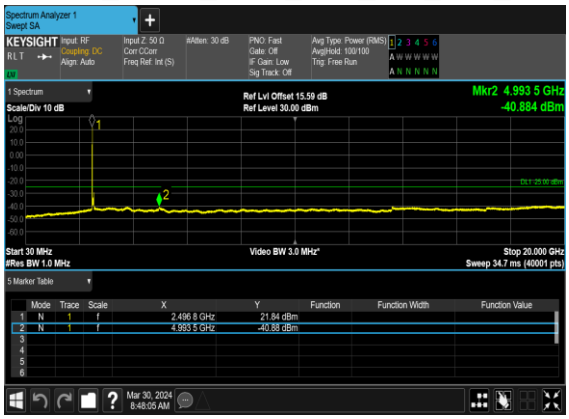
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



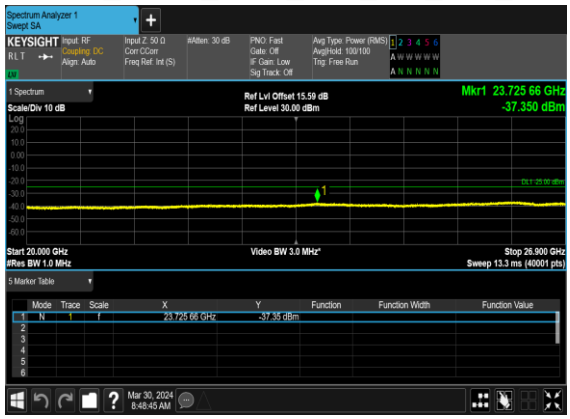

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



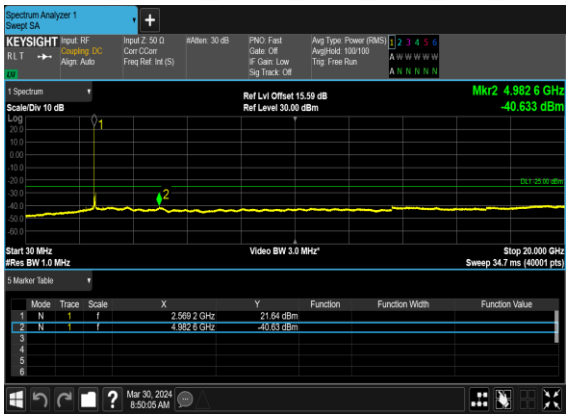

N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



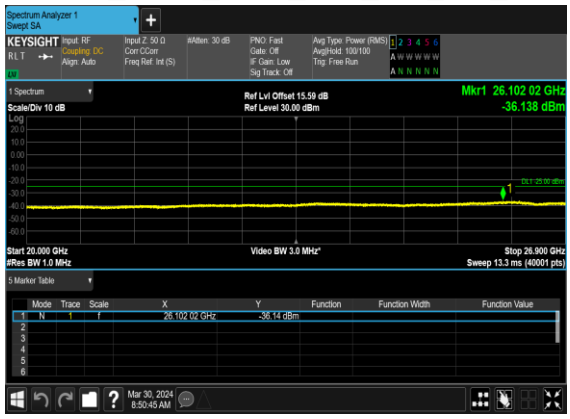

N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



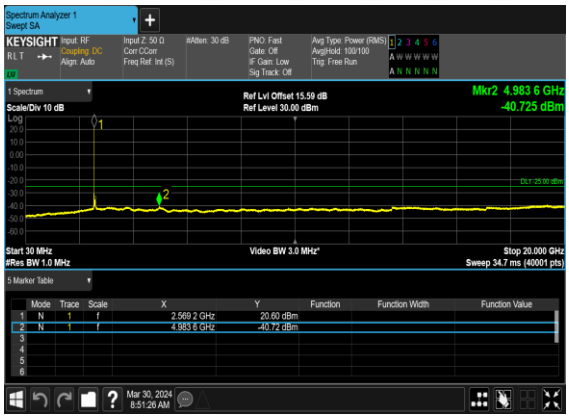

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



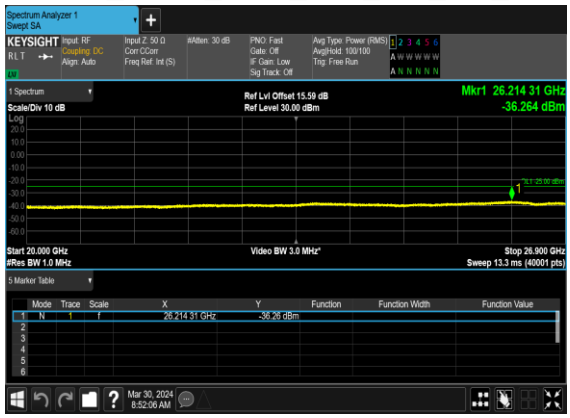

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



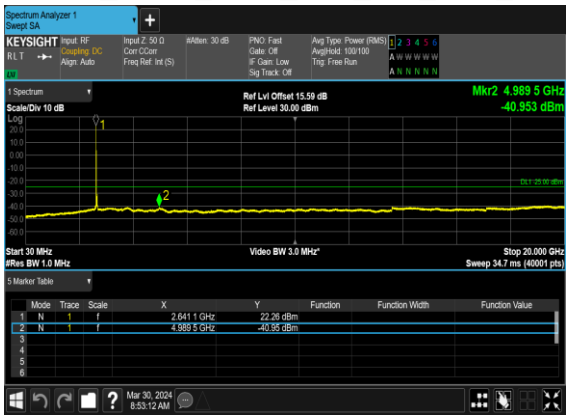
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



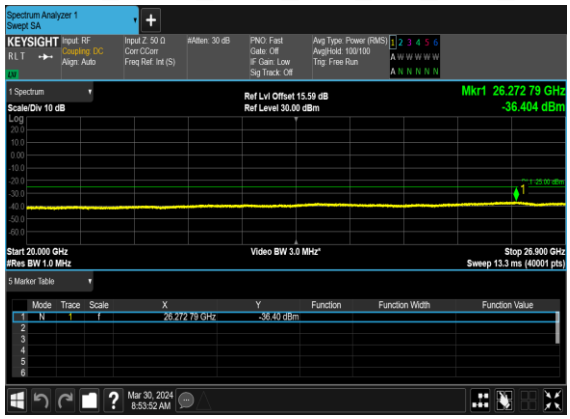

N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



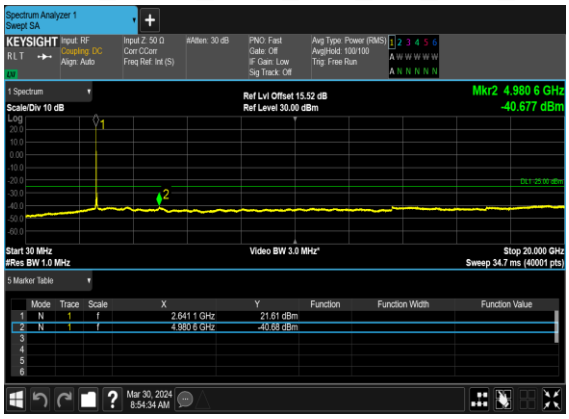

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



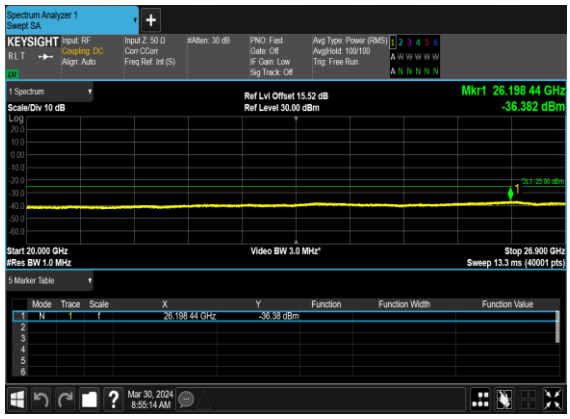

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH




N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



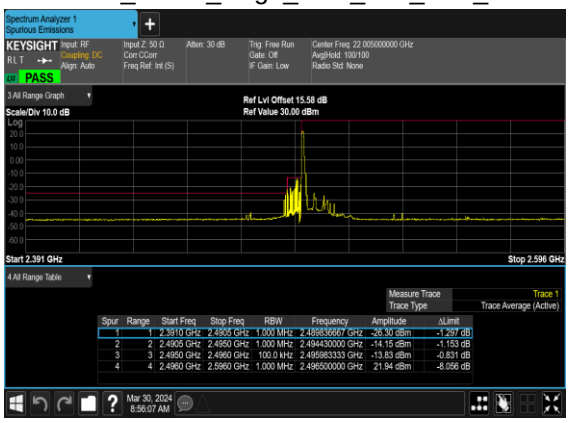

N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



## Conducted Band Edge

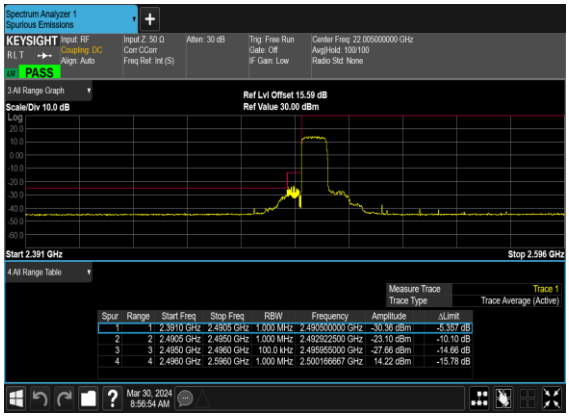
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM BPSK | 50@0 | see graph | **PASS** |
| **41** | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 50@0 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM BPSK | 1@51 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM QPSK | 1@51 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM BPSK | 50@0 | see graph | **PASS** |
| **41** | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM QPSK | 50@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM BPSK | 100@0 | see graph | **PASS** |
| **41** | 15 | 20 | 501201 | 2506.005 | DFT-s-OFDM QPSK | 100@0 | see graph | **PASS** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM BPSK | 1@105 | see graph | **PASS** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@105 | see graph | **PASS** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM BPSK | 100@0 | see graph | **PASS** |
| **41** | 15 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 100@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM BPSK | 270@0 | see graph | **PASS** |
| **41** | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM QPSK | 270@0 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM BPSK | 1@269 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@269 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM BPSK | 270@0 | see graph | **PASS** |
| **41** | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 270@0 | see graph | **PASS** |

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

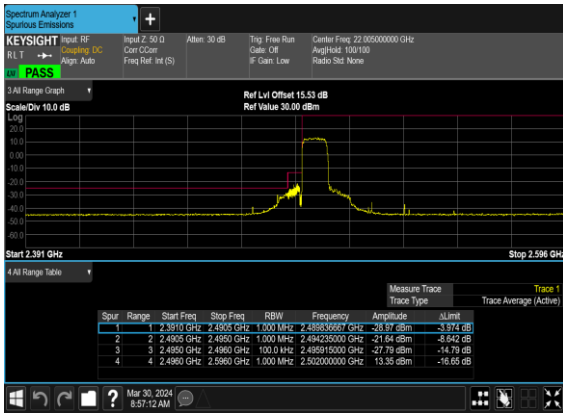



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

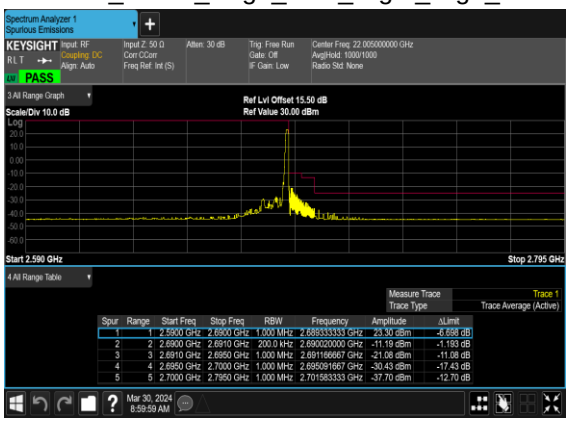
N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



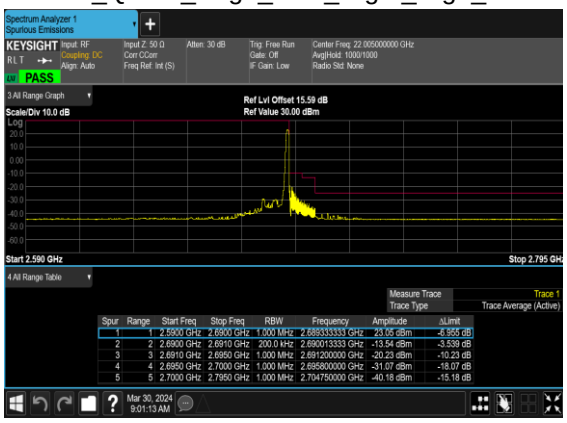

N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



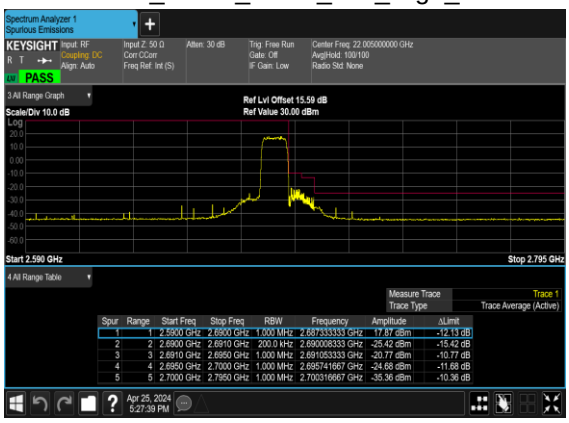

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



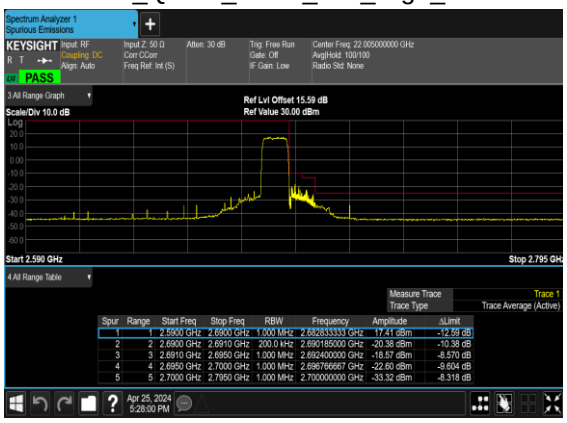

N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



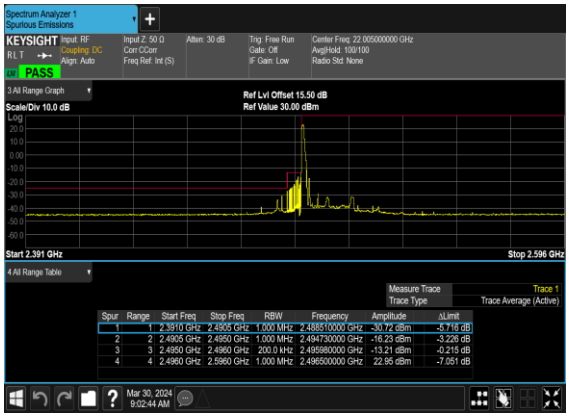
N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



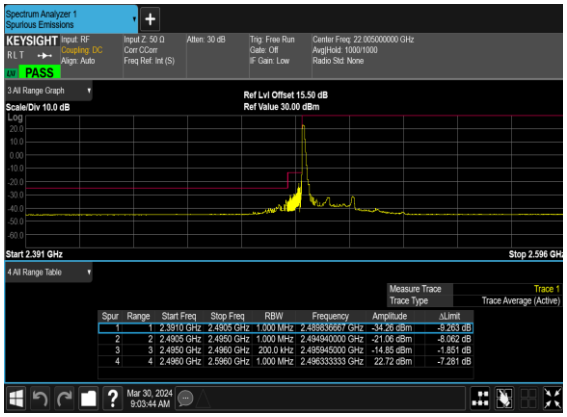

N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



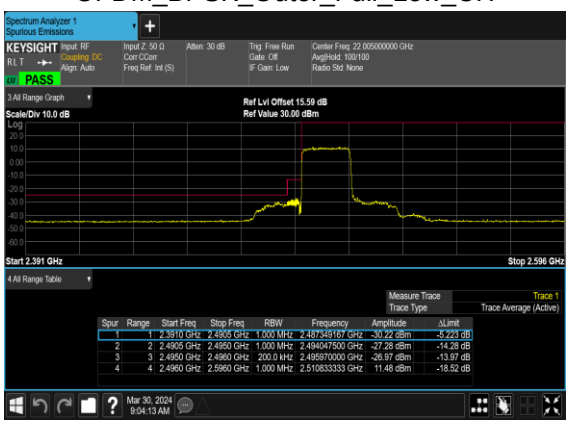

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



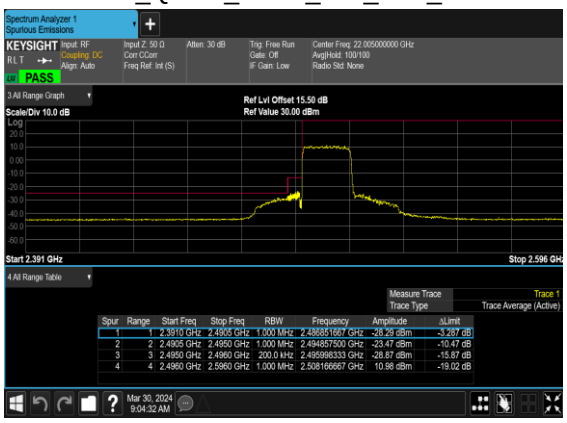

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



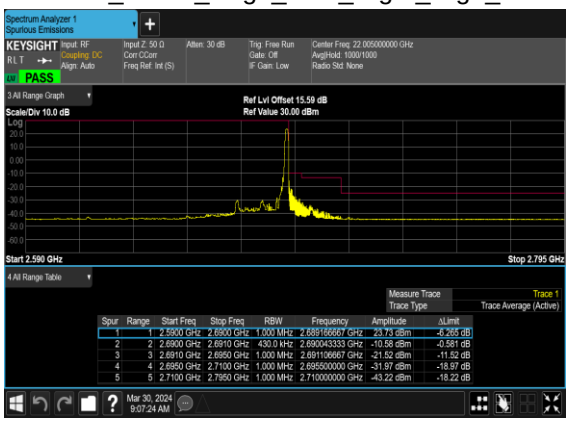

N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



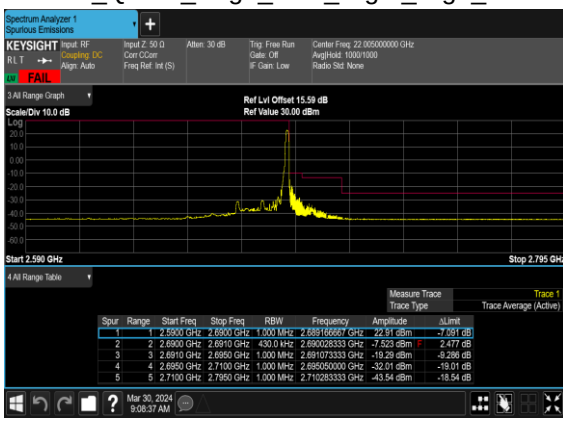

N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



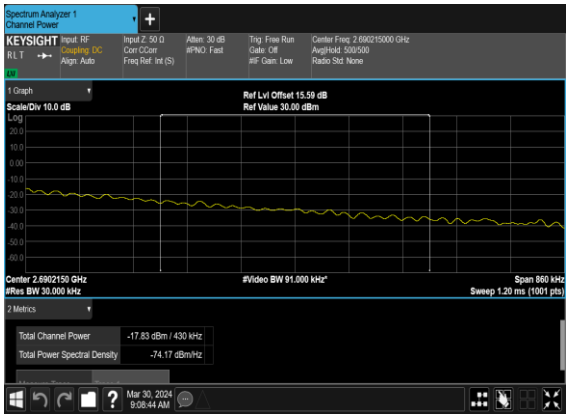
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



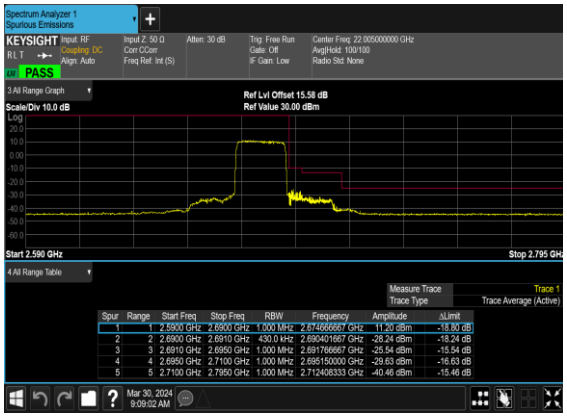

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



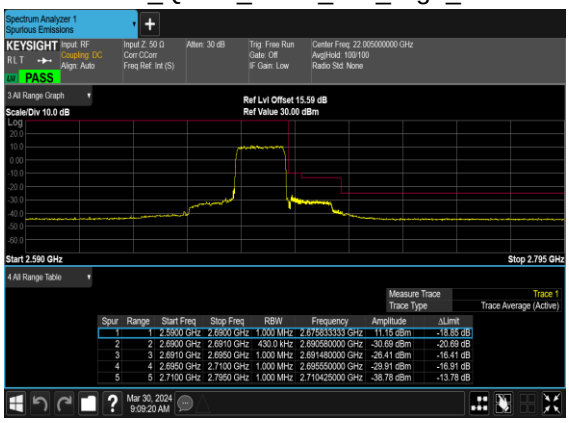

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



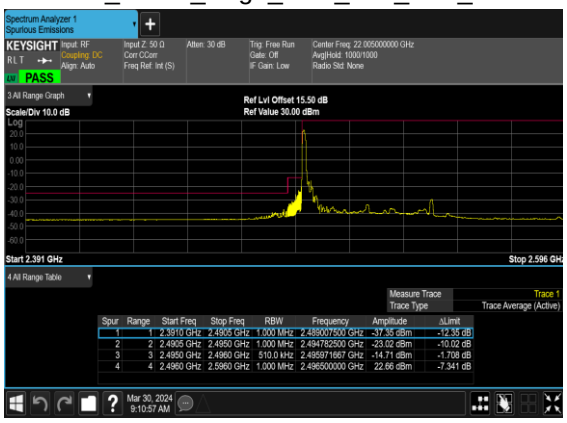

N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



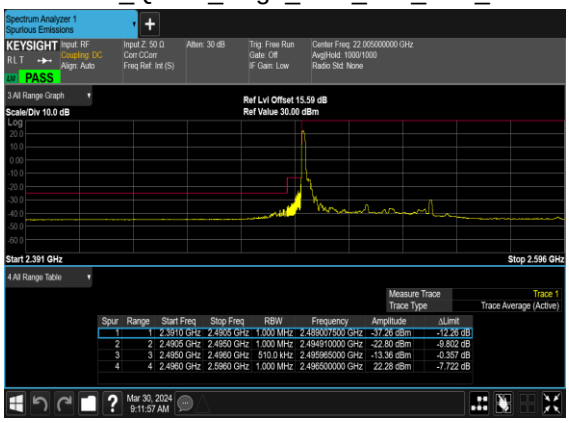

N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



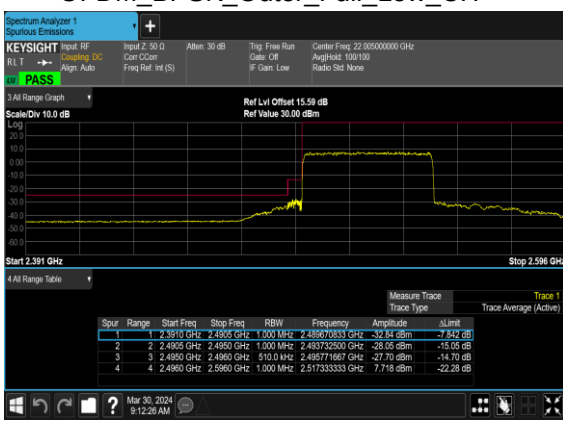

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



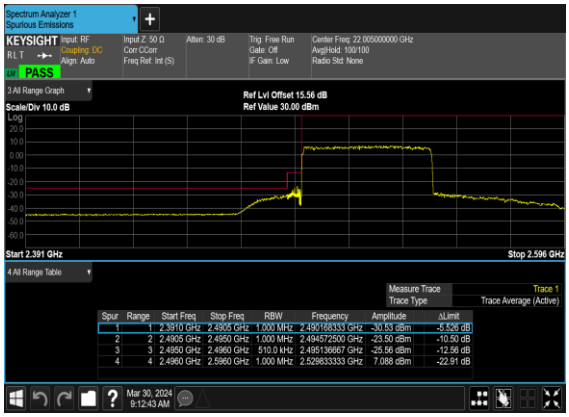
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



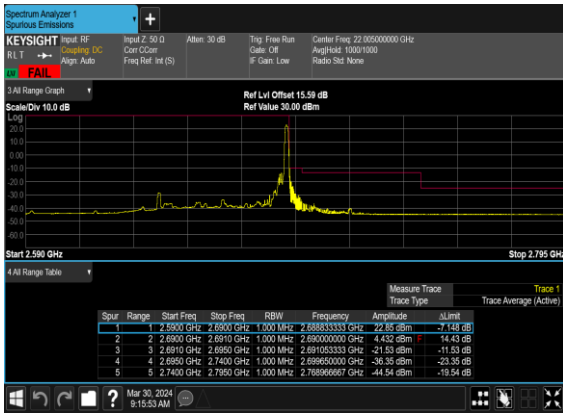

N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



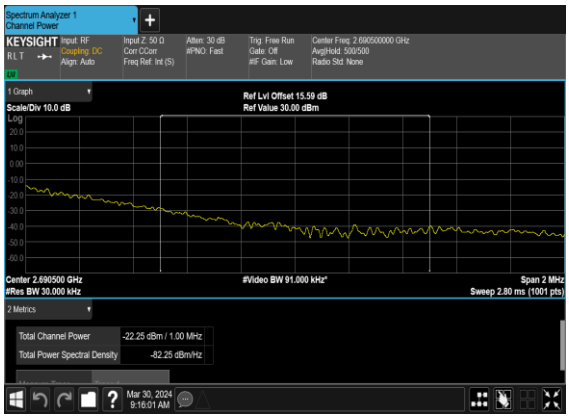

N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



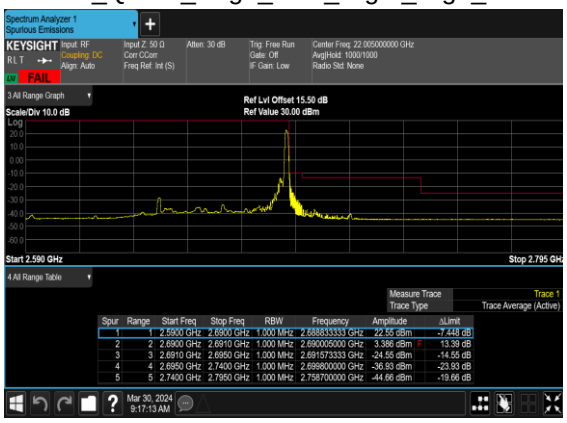

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



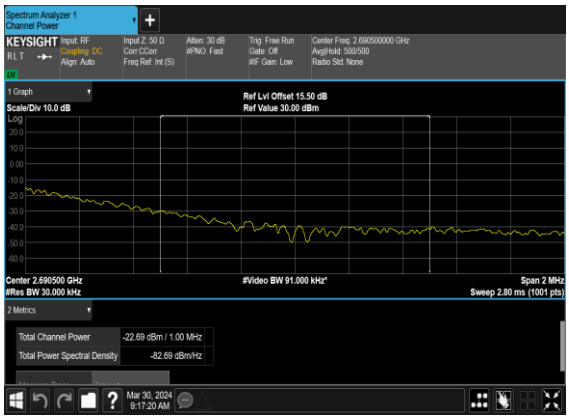

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



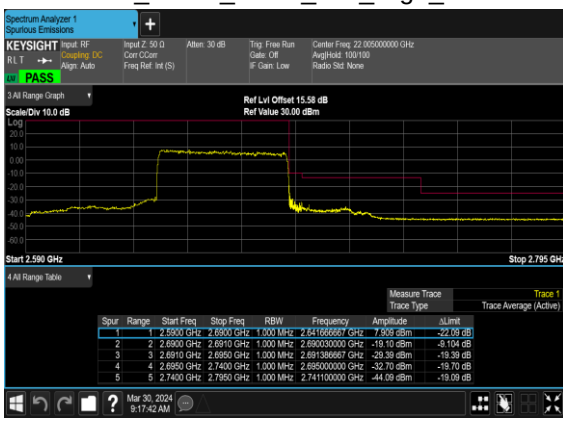

N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



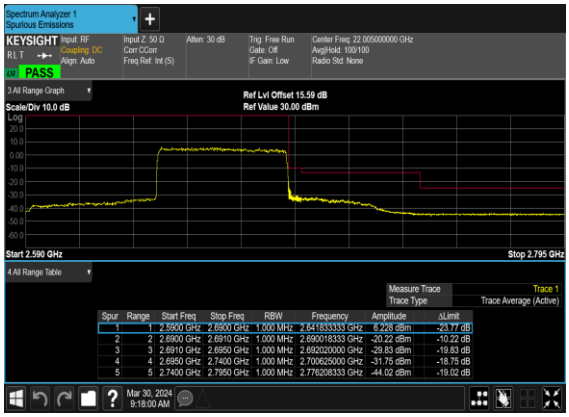
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**




N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH




N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

# FR1 N41(Main PA)– SCS 30k

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

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|---|---|---|---|---|
| **41** | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@1 | 25.43 | 28.43 | 0.6966 |
| **41** | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.46 | 27.46 | 0.5572 |
| **41** | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.14 | 28.14 | 0.6516 |
| **41** | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.25 | 27.25 | 0.5309 |
| **41** | 30 | 10 | 537000 | 2685 | DFT-s-OFDM QPSK | 1@1 | 26.03 | 29.03 | 0.7998 |
| **41** | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 16 QAM | 1@1 | 25.05 | 28.05 | 0.6383 |
| **41** | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM QPSK | 1@1 | 25.58 | 28.58 | 0.7211 |
| **41** | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 16 QAM | 1@1 | 24.42 | 27.42 | 0.5521 |
| **41** | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.35 | 28.35 | 0.6839 |
| **41** | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.29 | 27.29 | 0.5358 |
| **41** | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM QPSK | 1@1 | 25.96 | 28.96 | 0.7870 |
| **41** | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 16 QAM | 1@1 | 24.91 | 27.91 | 0.6180 |
| **41** | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM QPSK | 1@1 | 25.51 | 28.51 | 0.7096 |
| **41** | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.39 | 27.39 | 0.5483 |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.32 | 28.32 | 0.6792 |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.32 | 27.32 | 0.5395 |
| **41** | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@1 | 26.02 | 29.02 | 0.7980 |
| **41** | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.02 | 28.02 | 0.6339 |
| **41** | 30 | 30 | 502200 | 2511 | DFT-s-OFDM QPSK | 1@1 | 25.38 | 28.38 | 0.6887 |
| **41** | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 16 QAM | 1@1 | 24.31 | 27.31 | 0.5383 |
| **41** | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.32 | 28.32 | 0.6792 |
| **41** | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.31 | 27.31 | 0.5383 |
| **41** | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM QPSK | 1@1 | 25.81 | 28.81 | 0.7603 |
| **41** | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.84 | 27.84 | 0.6081 |
| **41** | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM QPSK | 1@1 | 25.17 | 28.17 | 0.6561 |
| **41** | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.07 | 27.07 | 0.5093 |
| **41** | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.17 | 28.17 | 0.6561 |
| **41** | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.18 | 27.18 | 0.5224 |
| **41** | 30 | 40 | 534000 | 2670 | DFT-s-OFDM QPSK | 1@1 | 25.57 | 28.57 | 0.7194 |
| **41** | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 16 QAM | 1@1 | 24.63 | 27.63 | 0.5794 |
| **41** | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM QPSK | 1@1 | 25.48 | 28.48 | 0.7047 |
| **41** | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.33 | 27.33 | 0.5408 |
| **41** | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.47 | 28.47 | 0.7031 |
| **41** | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.46 | 27.46 | 0.5572 |
| **41** | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@1 | 25.76 | 28.76 | 0.7516 |
| **41** | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.78 | 27.78 | 0.5998 |
| **41** | 30 | 60 | 505200 | 2526 | DFT-s-OFDM QPSK | 1@1 | 25.45 | 28.45 | 0.6998 |
| **41** | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 16 QAM | 1@1 | 24.28 | 27.28 | 0.5346 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **41** | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.4 | 28.4 | 0.6918 |
| **41** | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.44 | 27.44 | 0.5546 |
| **41** | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM QPSK | 1@1 | 25.68 | 28.68 | 0.7379 |
| **41** | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.78 | 27.78 | 0.5998 |
| **41** | 30 | 70 | 505200 | 2531.01 | DFT-s-OFDM QPSK | 1@1 | 25.33 | 28.33 | 0.6808 |
| **41** | 30 | 70 | 505200 | 2531.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.12 | 27.12 | 0.5152 |
| **41** | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.01 | 28.01 | 0.6324 |
| **41** | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.13 | 27.13 | 0.5164 |
| **41** | 30 | 70 | 531996 | 2655 | DFT-s-OFDM QPSK | 1@1 | 25.28 | 28.28 | 0.6730 |
| **41** | 30 | 70 | 531996 | 2655 | DFT-s-OFDM 16 QAM | 1@1 | 24.4 | 27.4 | 0.5495 |
| **41** | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM QPSK | 1@1 | 25.24 | 28.24 | 0.6668 |
| **41** | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.07 | 27.07 | 0.5093 |
| **41** | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 24.92 | 27.92 | 0.6194 |
| **41** | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 23.87 | 26.87 | 0.4864 |
| **41** | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM QPSK | 1@1 | 25.08 | 28.08 | 0.6427 |
| **41** | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.08 | 27.08 | 0.5105 |
| **41** | 30 | 90 | 508200 | 2541 | DFT-s-OFDM QPSK | 1@1 | 25.15 | 28.15 | 0.6531 |
| **41** | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 16 QAM | 1@1 | 23.95 | 26.95 | 0.4955 |
| **41** | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 24.78 | 27.78 | 0.5998 |
| **41** | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 23.75 | 26.75 | 0.4732 |
| **41** | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM QPSK | 1@1 | 24.61 | 27.61 | 0.5768 |
| **41** | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 16 QAM | 1@1 | 23.58 | 26.58 | 0.4550 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.41 | 28.41 | 0.6934 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.84 | 27.84 | 0.6081 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 1@271 | 24.6 | 27.6 | 0.5754 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 135@67 | 25.46 | 28.46 | 0.7015 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 1@1 | 24.99 | 27.99 | 0.6295 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 1@271 | 24.67 | 27.67 | 0.5848 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM | 135@67 | 24.47 | 27.47 | 0.5585 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM | 1@1 | 23.85 | 26.85 | 0.4842 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM | 1@271 | 23.67 | 26.67 | 0.4645 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM | 135@67 | 23.14 | 26.14 | 0.4111 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM | 1@1 | 22.89 | 25.89 | 0.3882 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM | 1@271 | 22.64 | 25.64 | 0.3664 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM | 135@67 | 21.1 | 24.1 | 0.2570 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.04 | 24.04 | 0.2535 |
| **41** | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM | 1@271 | 20.71 | 23.71 | 0.2350 |
| **41** | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK | 137@68 | 24.01 | 27.01 | 0.5023 |
| **41** | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK | 1@1 | 23.45 | 26.45 | 0.4416 |
| **41** | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK | 1@271 | 23.23 | 26.23 | 0.4198 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.47 | 28.47 | 0.7031 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.52 | 27.52 | 0.5649 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.7 | 28.7 | 0.7413 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 135@67 | 25.52 | 28.52 | 0.7112 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 24.6 | 27.6 | 0.5754 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@271 | 25.74 | 28.74 | 0.7482 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 135@67 | 24.56 | 27.56 | 0.5702 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 23.53 | 26.53 | 0.4498 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@271 | 24.67 | 27.67 | 0.5848 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 135@67 | 23.19 | 26.19 | 0.4159 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 22.48 | 25.48 | 0.3532 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@271 | 23.59 | 26.59 | 0.4560 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 135@67 | 21.16 | 24.16 | 0.2606 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.64 | 23.64 | 0.2312 |
| **41** | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@271 | 21.84 | 24.84 | 0.3048 |
| **41** | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 137@68 | 24.01 | 27.01 | 0.5023 |
| **41** | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 23.08 | 26.08 | 0.4055 |
| **41** | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 1@271 | 24.18 | 27.18 | 0.5224 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 135@67 | 26.05 | 29.05 | 0.8035 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.25 | 27.25 | 0.5309 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.61 | 28.61 | 0.7261 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK | 135@67 | 26.02 | 29.02 | 0.7980 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK | 1@1 | 24.34 | 27.34 | 0.5420 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK | 1@271 | 25.65 | 28.65 | 0.7328 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM | 135@67 | 25.02 | 28.02 | 0.6339 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM | 1@1 | 23.29 | 26.29 | 0.4256 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM | 1@271 | 24.61 | 27.61 | 0.5768 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM | 135@67 | 23.69 | 26.69 | 0.4667 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM | 1@1 | 22.38 | 25.38 | 0.3451 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM | 1@271 | 23.65 | 26.65 | 0.4624 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM | 135@67 | 21.66 | 24.66 | 0.2924 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM | 1@1 | 20.47 | 23.47 | 0.2223 |
| **41** | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM | 1@271 | 21.75 | 24.75 | 0.2985 |
| **41** | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK | 137@68 | 24.54 | 27.54 | 0.5675 |
| **41** | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK | 1@1 | 22.81 | 25.81 | 0.3811 |
| **41** | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK | 1@271 | 24.05 | 27.05 | 0.5070 |

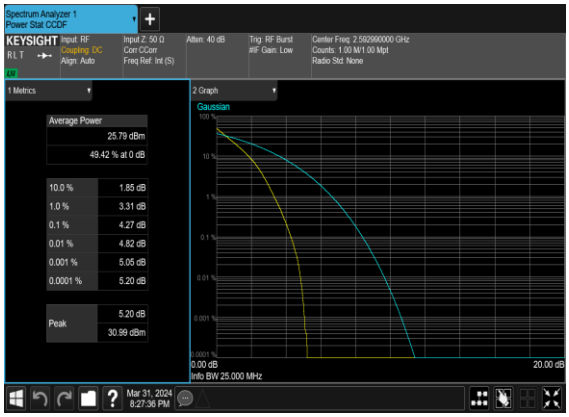
## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Deviation (ppm) | Verdict | Environment |
|---|---|---|---|---|---|---|---|---|---|
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0025 | **PASS** | NV |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0049 | **PASS** | LV |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0045 | **PASS** | HV |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0051 | **PASS** | -30℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0058 | **PASS** | -20℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0052 | **PASS** | -10℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0045 | **PASS** | 0℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0038 | **PASS** | 10℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0025 | **PASS** | 20℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0026 | **PASS** | 30℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0032 | **PASS** | 40℃ |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0063 | **PASS** | 50℃ |

## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 50@0 | 4.27 | 13 | **PASS** |
| **41** | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 5.52 | 13 | **PASS** |

N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



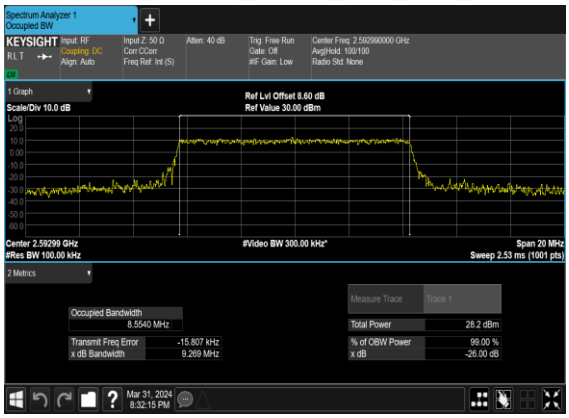

N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

## Occupied Bandwidth

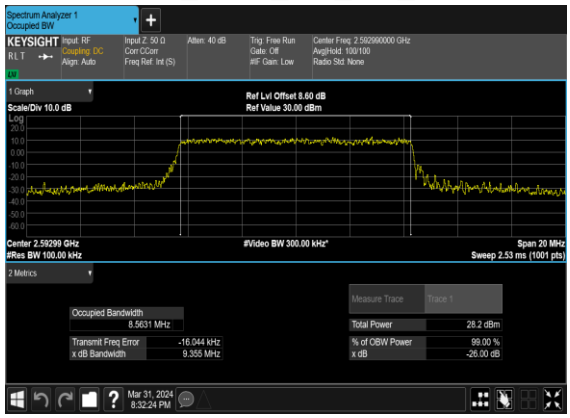
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | OBW (MHz) | 26dB BW (MHz) |
|---|---|---|---|---|---|---|---|---|
| **41** | 30 | 10 | 518598 | 2592.99 | CP-OFDM QPSK | 24@0 | 8.554 | 9.269 |
| **41** | 30 | 10 | 518598 | 2592.99 | CP-OFDM 16 QAM | 24@0 | 8.5631 | 9.355 |
| **41** | 30 | 10 | 518598 | 2592.99 | CP-OFDM 64 QAM | 24@0 | 8.5678 | 9.323 |
| **41** | 30 | 10 | 518598 | 2592.99 | CP-OFDM 256 QAM | 24@0 | 8.5738 | 9.277 |
| **41** | 30 | 15 | 518598 | 2592.99 | CP-OFDM QPSK | 38@0 | 13.559 | 14.54 |
| **41** | 30 | 15 | 518598 | 2592.99 | CP-OFDM 16 QAM | 38@0 | 13.532 | 14.21 |
| **41** | 30 | 15 | 518598 | 2592.99 | CP-OFDM 64 QAM | 38@0 | 13.568 | 14.25 |
| **41** | 30 | 15 | 518598 | 2592.99 | CP-OFDM 256 QAM | 38@0 | 13.587 | 14.21 |
| **41** | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK | 51@0 | 18.226 | 19.36 |
| **41** | 30 | 20 | 518598 | 2592.99 | CP-OFDM 16 QAM | 51@0 | 18.169 | 18.95 |
| **41** | 30 | 20 | 518598 | 2592.99 | CP-OFDM 64 QAM | 51@0 | 18.157 | 19.21 |
| **41** | 30 | 20 | 518598 | 2592.99 | CP-OFDM 256 QAM | 51@0 | 18.175 | 19.12 |
| **41** | 30 | 30 | 518598 | 2592.99 | CP-OFDM QPSK | 78@0 | 27.845 | 29.15 |
| **41** | 30 | 30 | 518598 | 2592.99 | CP-OFDM 16 QAM | 78@0 | 27.793 | 28.94 |
| **41** | 30 | 30 | 518598 | 2592.99 | CP-OFDM 64 QAM | 78@0 | 27.859 | 28.87 |
| **41** | 30 | 30 | 518598 | 2592.99 | CP-OFDM 256 QAM | 78@0 | 27.74 | 29.06 |
| **41** | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK | 106@0 | 37.863 | 39.28 |
| **41** | 30 | 40 | 518598 | 2592.99 | CP-OFDM 16 QAM | 106@0 | 37.764 | 39.12 |
| **41** | 30 | 40 | 518598 | 2592.99 | CP-OFDM 64 QAM | 106@0 | 37.763 | 39.1 |
| **41** | 30 | 40 | 518598 | 2592.99 | CP-OFDM 256 QAM | 106@0 | 37.793 | 39.08 |
| **41** | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK | 133@0 | 47.367 | 49.08 |
| **41** | 30 | 50 | 518598 | 2592.99 | CP-OFDM 16 QAM | 133@0 | 47.515 | 49.08 |
| **41** | 30 | 50 | 518598 | 2592.99 | CP-OFDM 64 QAM | 133@0 | 47.469 | 49.19 |
| **41** | 30 | 50 | 518598 | 2592.99 | CP-OFDM 256 QAM | 133@0 | 47.36 | 49.51 |
| **41** | 30 | 60 | 518598 | 2592.99 | CP-OFDM QPSK | 162@0 | 57.957 | 59.74 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **41** | 30 | 60 | 518598 | 2592.99 | CP-OFDM 16 QAM | 162@0 | 57.802 | 60.02 |
| **41** | 30 | 60 | 518598 | 2592.99 | CP-OFDM 64 QAM | 162@0 | 57.889 | 59.76 |
| **41** | 30 | 60 | 518598 | 2592.99 | CP-OFDM 256 QAM | 162@0 | 57.795 | 59.79 |
| **41** | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK | 189@0 | 67.492 | 69.9 |
| **41** | 30 | 70 | 518598 | 2592.99 | CP-OFDM 16 QAM | 189@0 | 67.605 | 69.77 |
| **41** | 30 | 70 | 518598 | 2592.99 | CP-OFDM 64 QAM | 189@0 | 67.492 | 69.59 |
| **41** | 30 | 70 | 518598 | 2592.99 | CP-OFDM 256 QAM | 189@0 | 67.678 | 69.96 |
| **41** | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK | 217@0 | 77.441 | 79.93 |
| **41** | 30 | 80 | 518598 | 2592.99 | CP-OFDM 16 QAM | 217@0 | 77.436 | 79.89 |
| **41** | 30 | 80 | 518598 | 2592.99 | CP-OFDM 64 QAM | 217@0 | 77.462 | 79.81 |
| **41** | 30 | 80 | 518598 | 2592.99 | CP-OFDM 256 QAM | 217@0 | 77.455 | 80.06 |
| **41** | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK | 245@0 | 87.262 | 90.14 |
| **41** | 30 | 90 | 518598 | 2592.99 | CP-OFDM 16 QAM | 245@0 | 87.389 | 90.19 |
| **41** | 30 | 90 | 518598 | 2592.99 | CP-OFDM 64 QAM | 245@0 | 87.428 | 90.2 |
| **41** | 30 | 90 | 518598 | 2592.99 | CP-OFDM 256 QAM | 245@0 | 87.401 | 90.27 |
| **41** | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 273@0 | 97.423 | 100.5 |
| **41** | 30 | 100 | 518598 | 2592.99 | CP-OFDM 16 QAM | 273@0 | 97.725 | 100.4 |
| **41** | 30 | 100 | 518598 | 2592.99 | CP-OFDM 64 QAM | 273@0 | 97.441 | 100.5 |
| **41** | 30 | 100 | 518598 | 2592.99 | CP-OFDM 256 QAM | 273@0 | 97.254 | 100.4 |

N41(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH




N41(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

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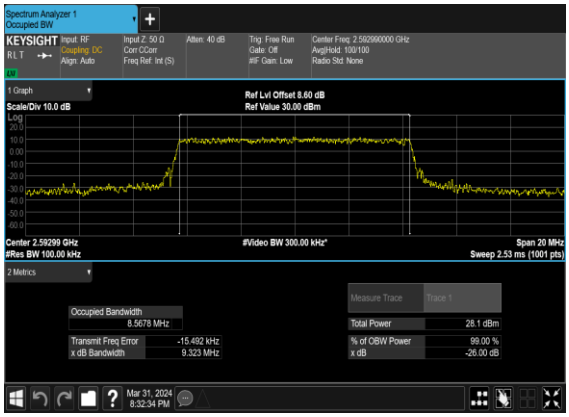


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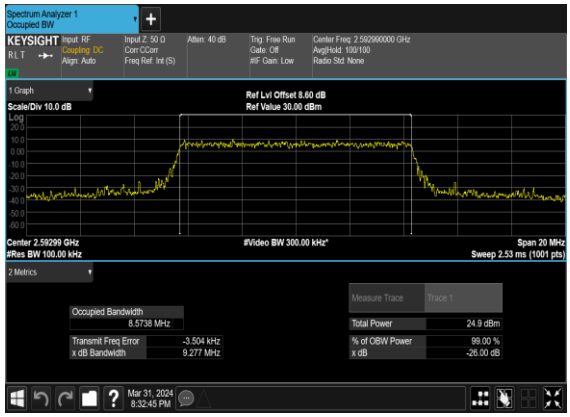
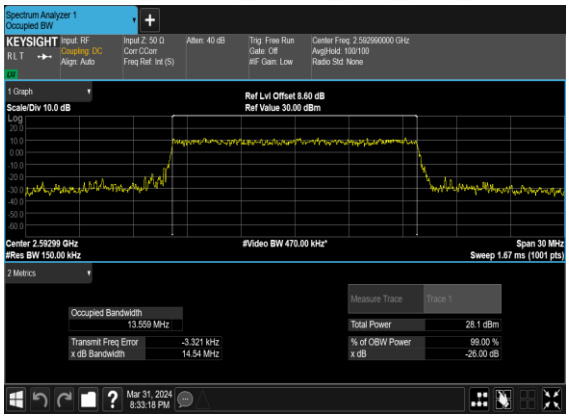
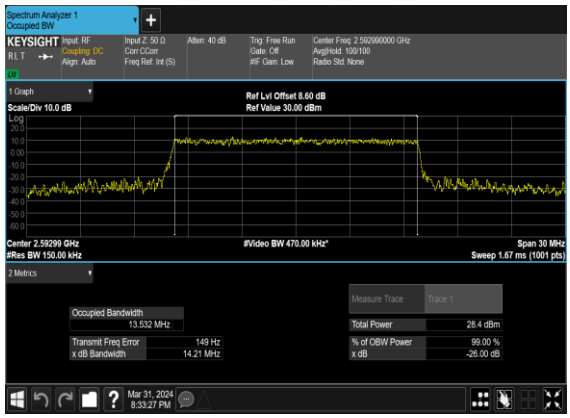



N41(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH




N41(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH