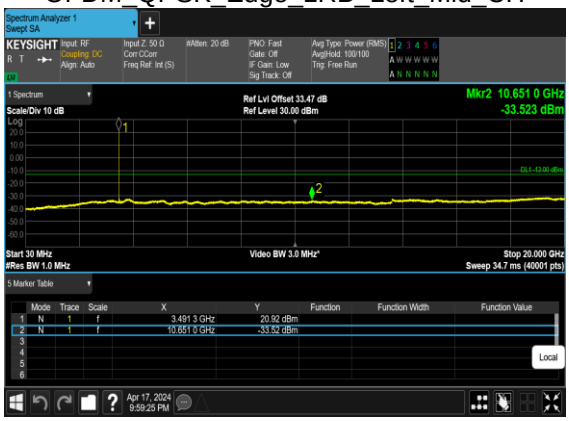
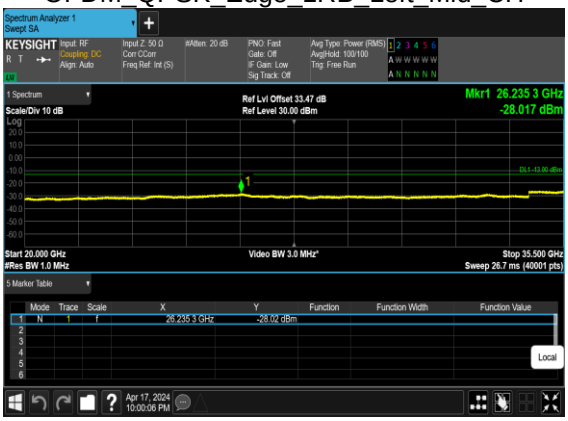
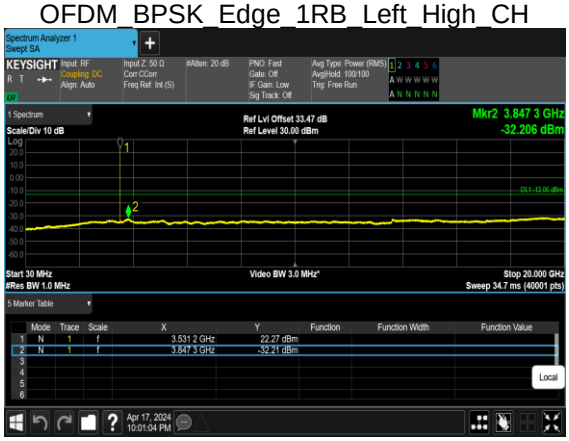
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



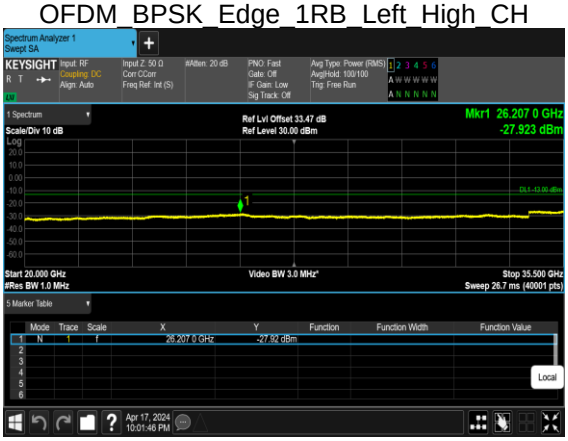

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



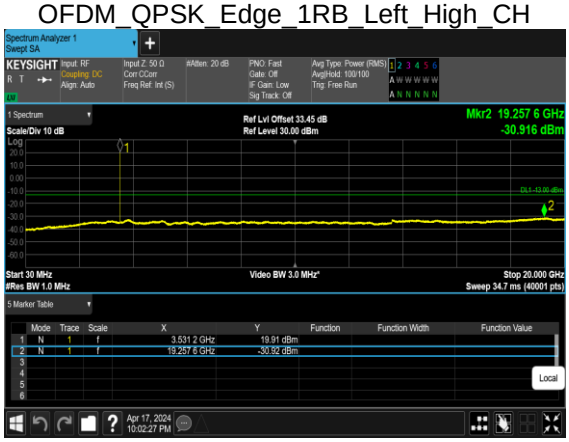

N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



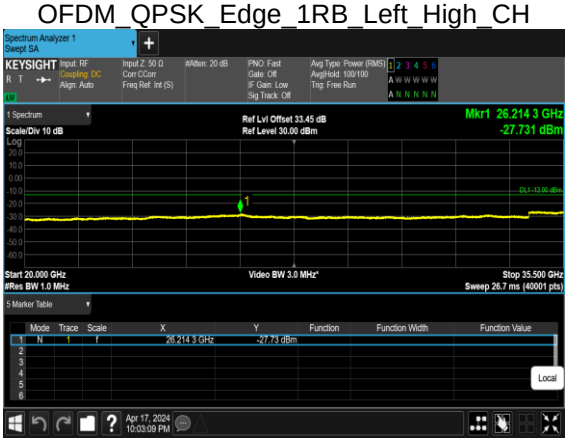

N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



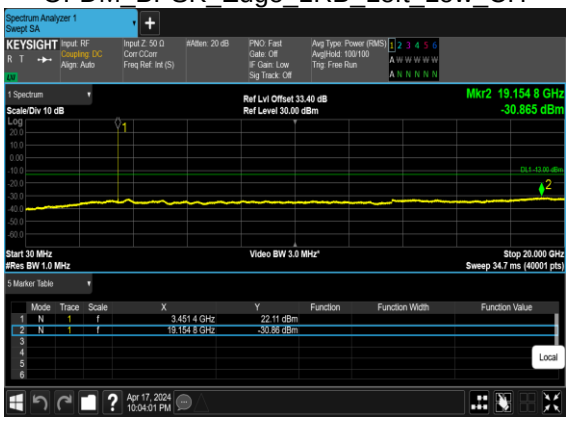

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



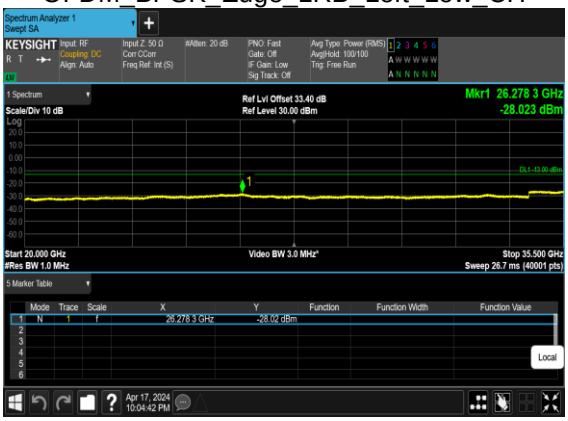

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



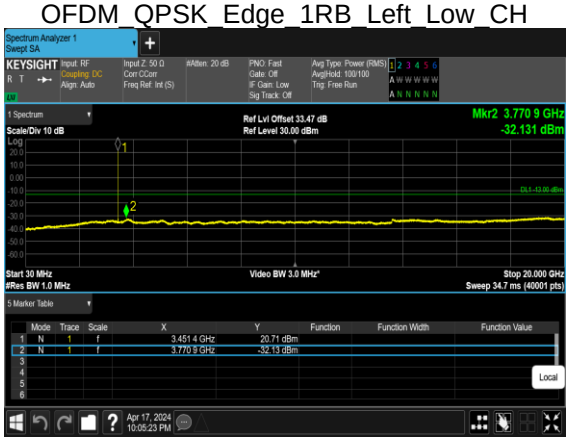
N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



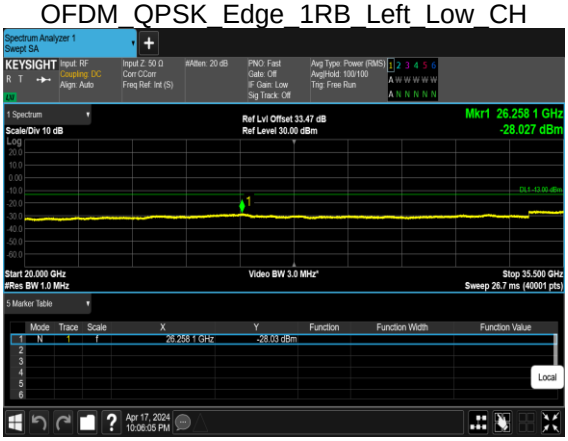

N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



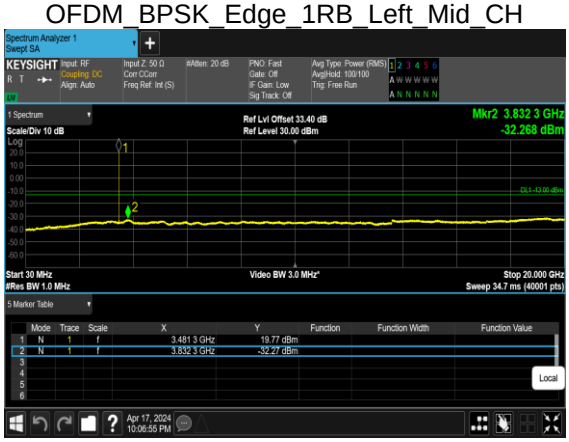

N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



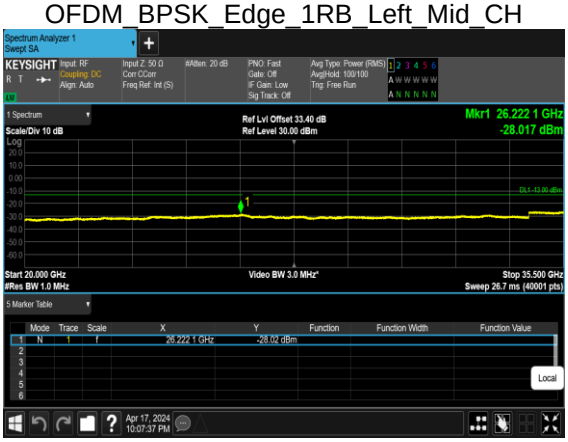

N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



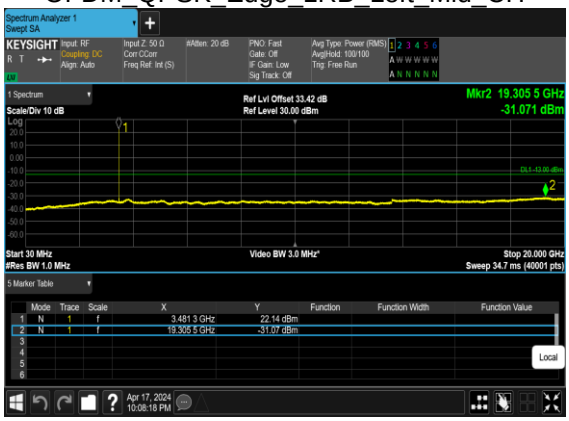

N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



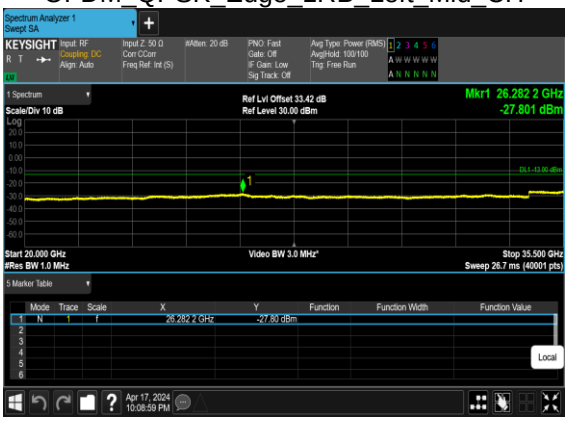

N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



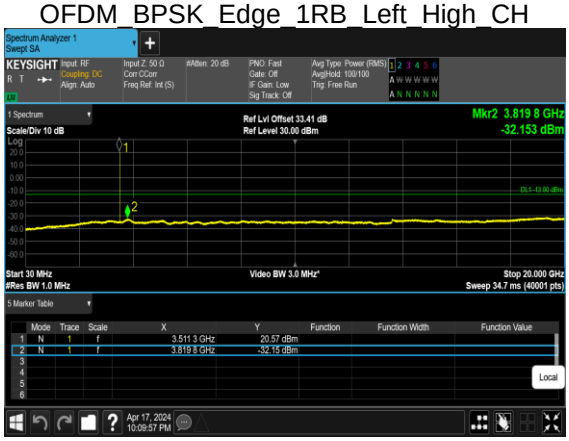
N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



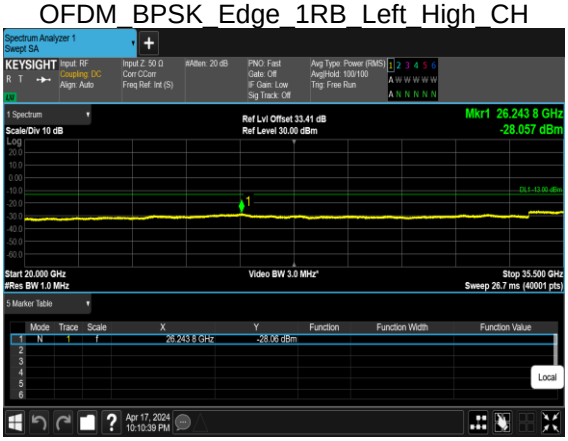

N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



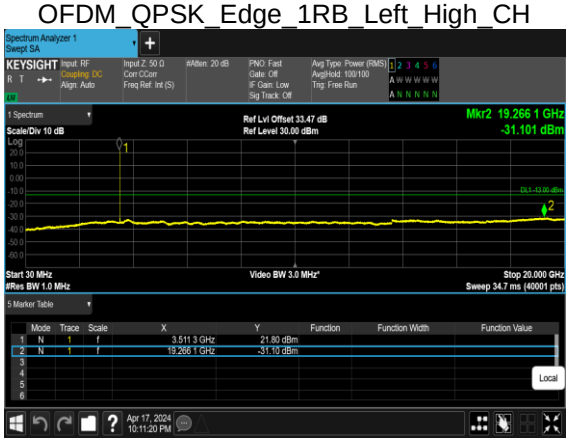

N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



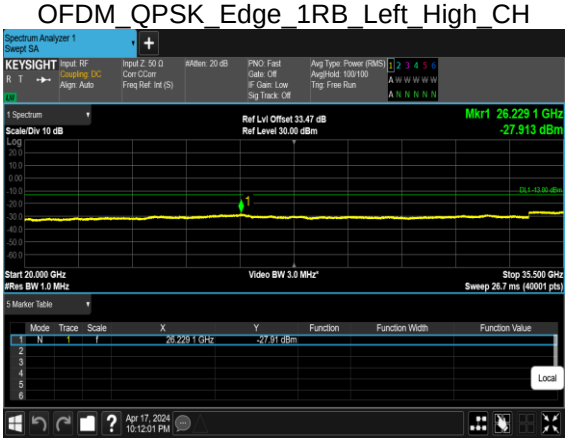

N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



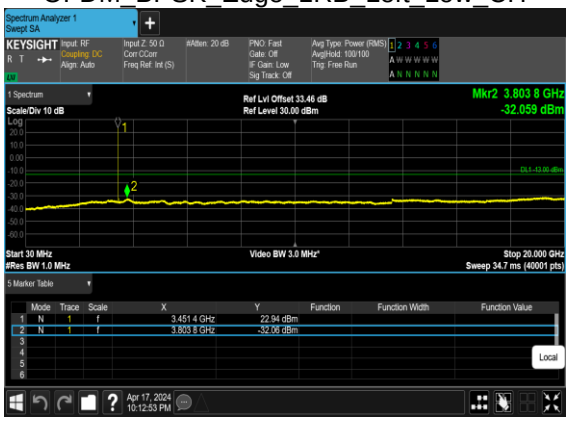

N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



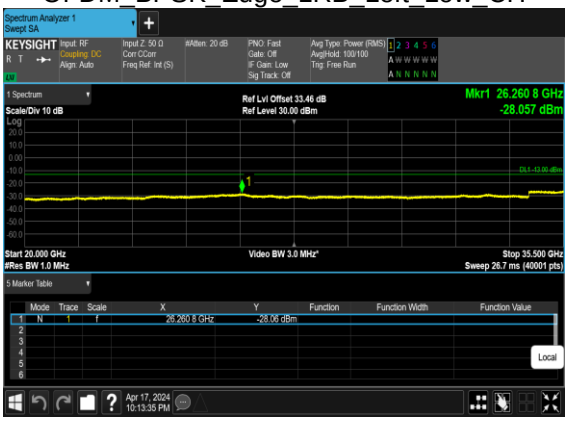

N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



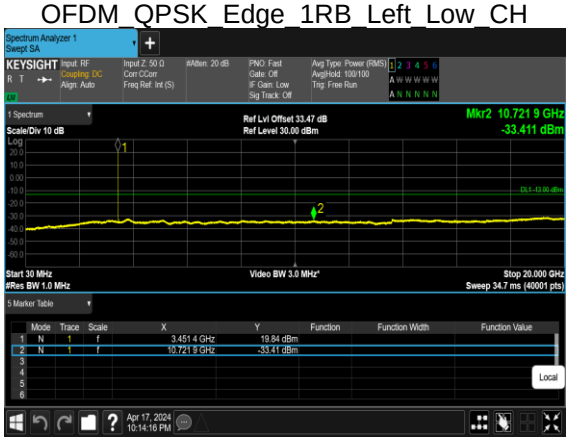
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



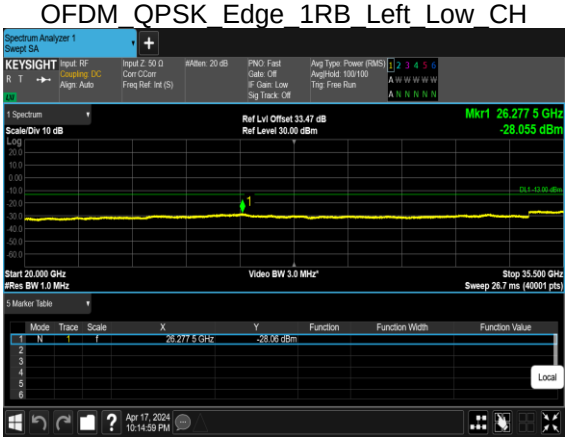

N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



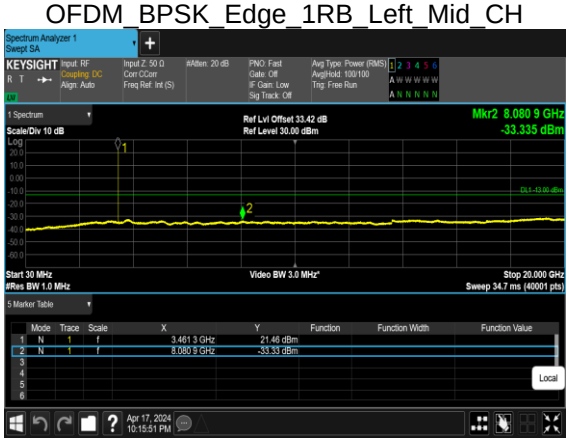

N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



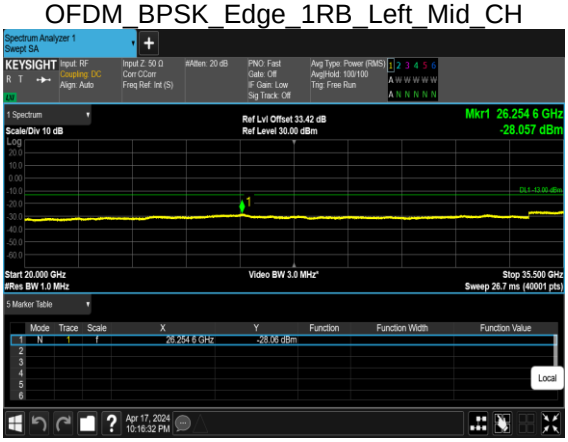

N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



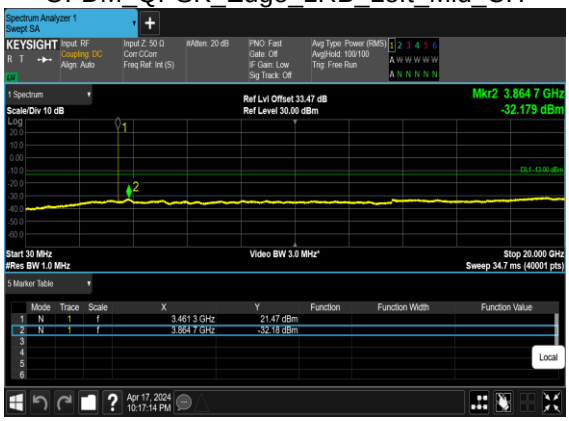

N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



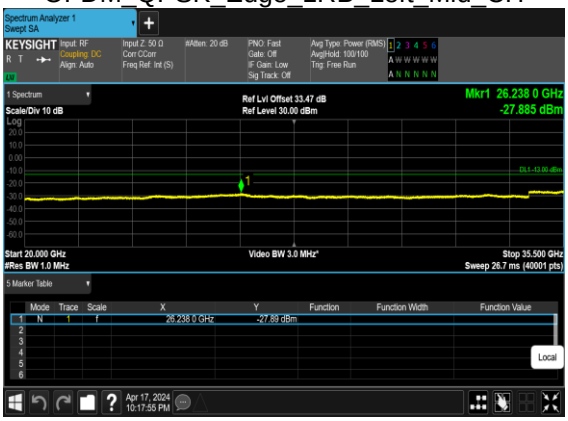

N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



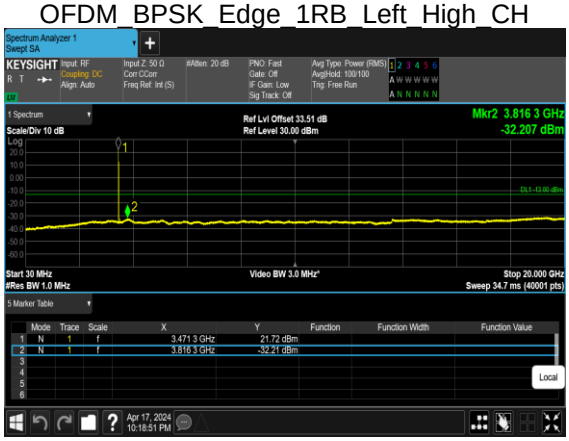
N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



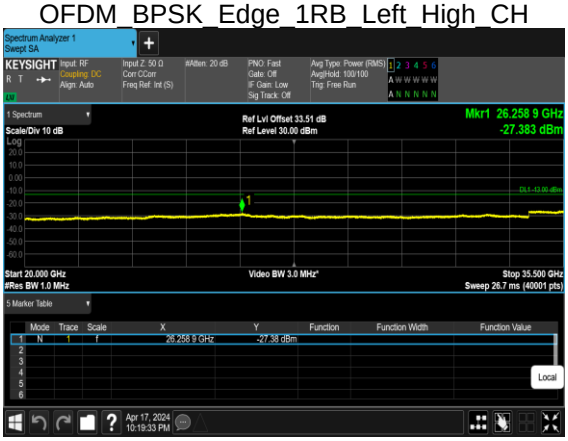

N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH




N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH




N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

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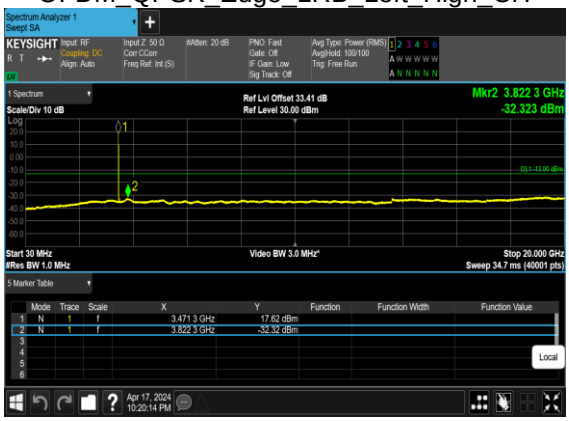
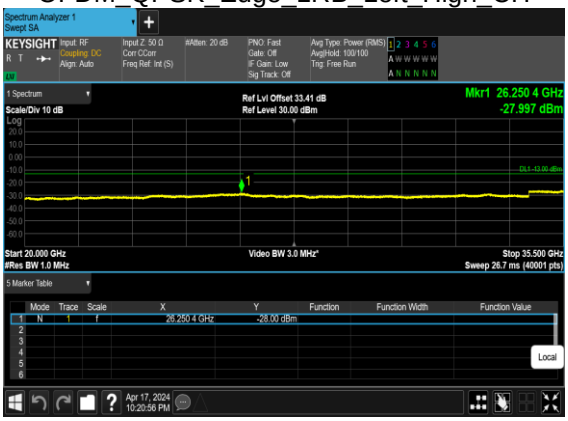
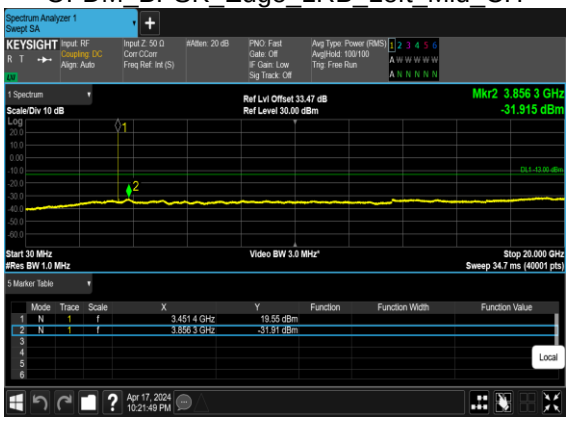


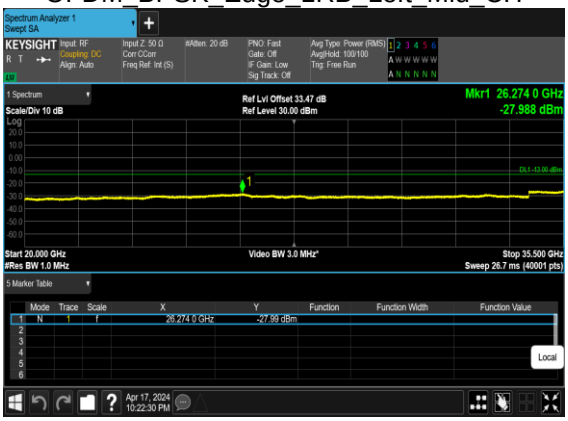

N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



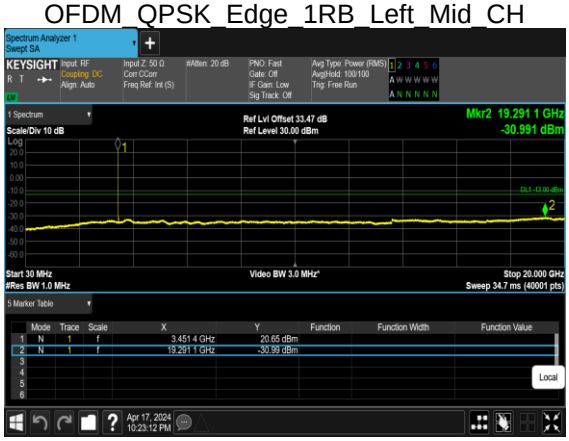
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



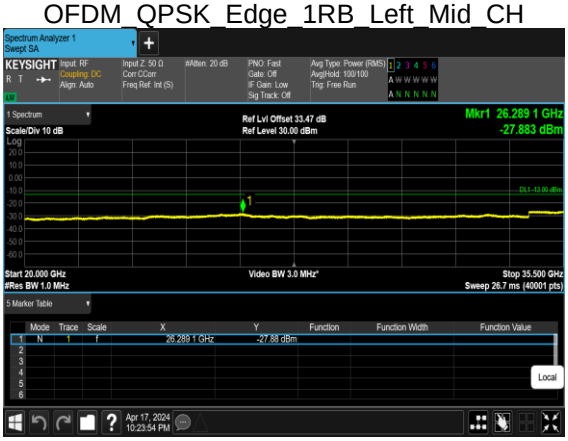

N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH




N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



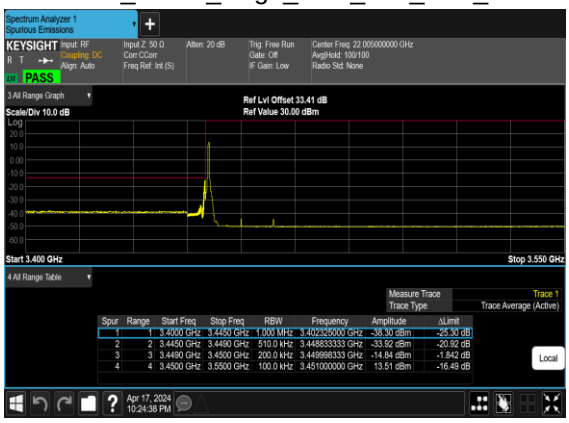

N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



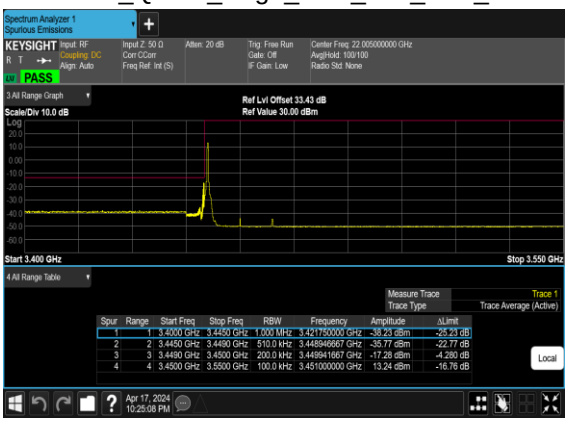
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **78** | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM BPSK | 50@0 | see graph | **PASS** |
| **78** | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 50@0 | see graph | **PASS** |
| **78** | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM BPSK | 1@50 | see graph | **PASS** |
| **78** | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM QPSK | 1@50 | see graph | **PASS** |
| **78** | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM BPSK | 50@0 | see graph | **PASS** |
| **78** | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM QPSK | 50@0 | see graph | **PASS** |
| **78** | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM BPSK | 100@0 | see graph | **PASS** |
| **78** | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 100@0 | see graph | **PASS** |
| **78** | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM BPSK | 1@105 | see graph | **PASS** |
| **78** | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 1@105 | see graph | **PASS** |
| **78** | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM BPSK | 100@0 | see graph | **PASS** |
| **78** | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 100@0 | see graph | **PASS** |
| **78** | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM BPSK | 216@0 | see graph | **PASS** |
| **78** | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 216@0 | see graph | **PASS** |
| **78** | 30 | 80 | 634000 | 3510.0 | DFT-s-OFDM BPSK | 1@216 | see graph | **PASS** |
| **78** | 30 | 80 | 634000 | 3510.0 | DFT-s-OFDM QPSK | 1@216 | see graph | **PASS** |
| **78** | 30 | 80 | 634000 | 3510.0 | DFT-s-OFDM BPSK | 216@0 | see graph | **PASS** |
| **78** | 30 | 80 | 634000 | 3510.0 | DFT-s-OFDM QPSK | 216@0 | see graph | **PASS** |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@272 | see graph | **PASS** |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@272 | see graph | **PASS** |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 270@0 | see graph | **PASS** |
| **78** | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 270@0 | see graph | **PASS** |

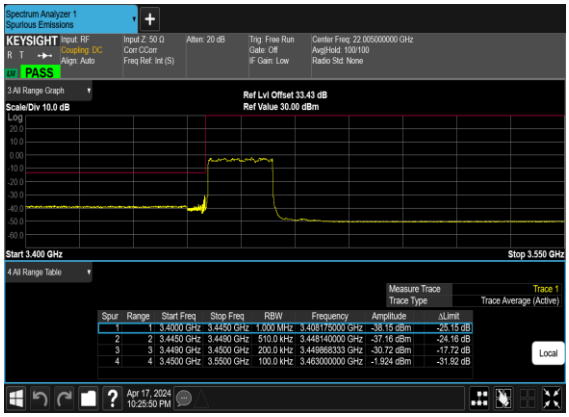
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



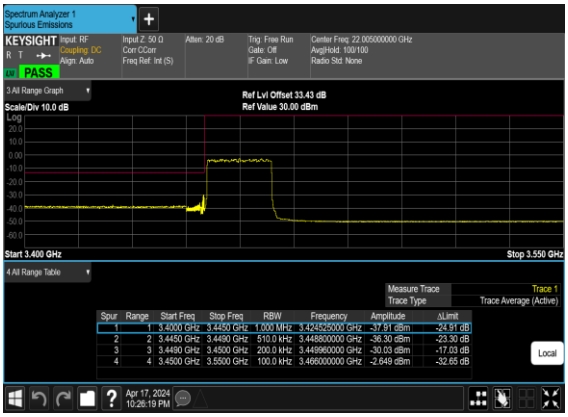

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



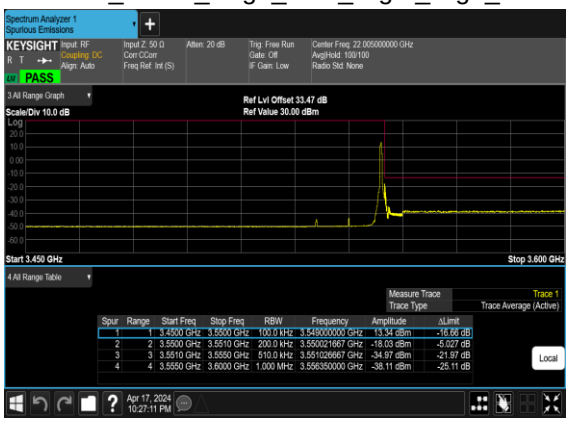

N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



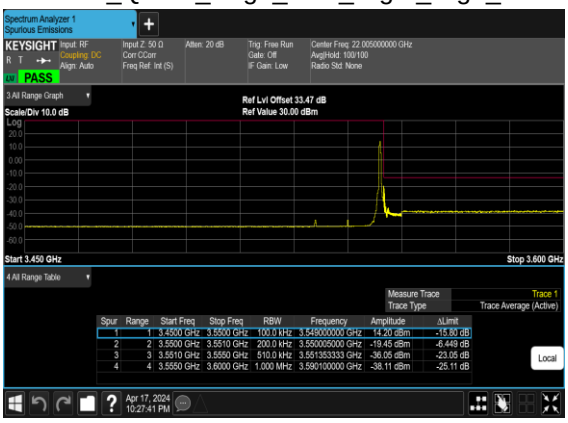

N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



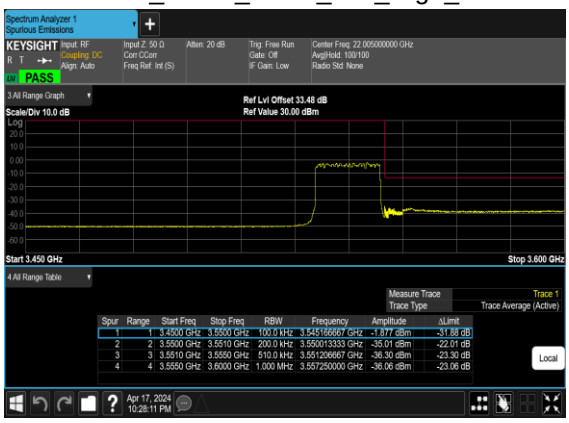

N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



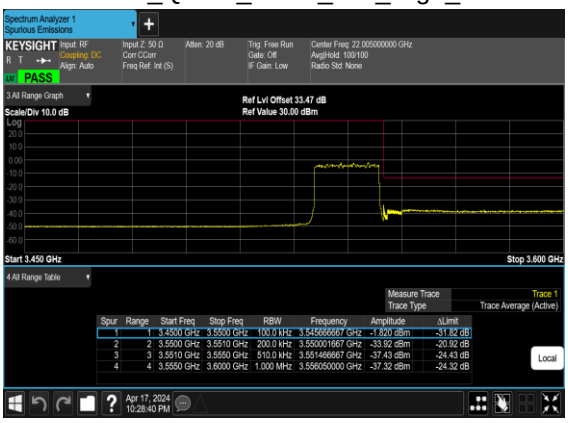

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



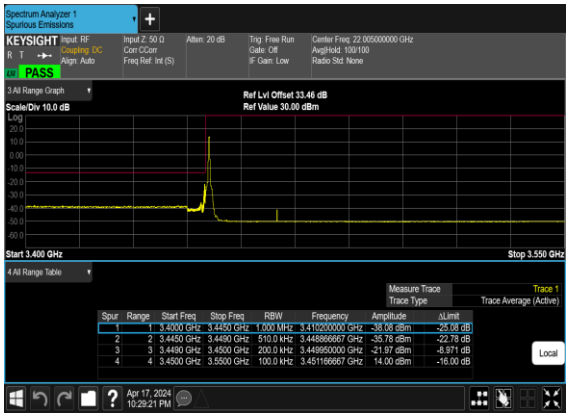
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



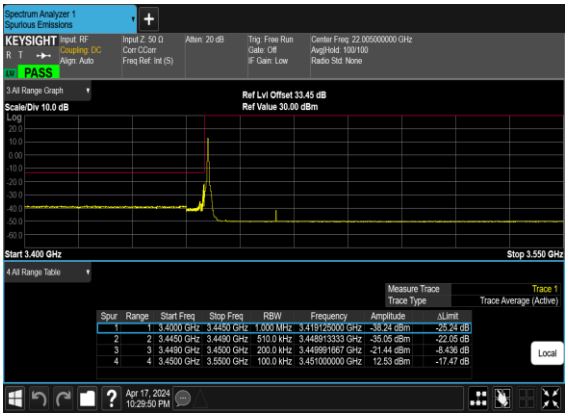

N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



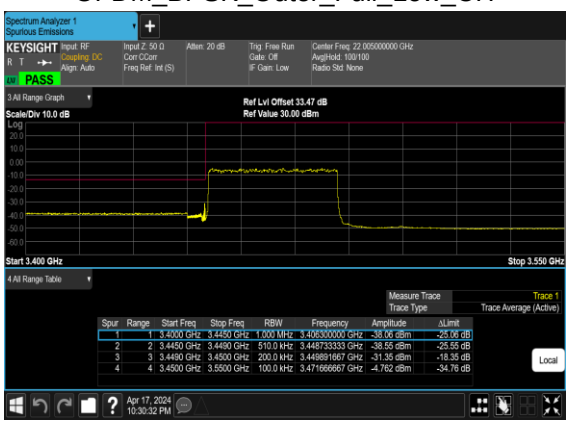

N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



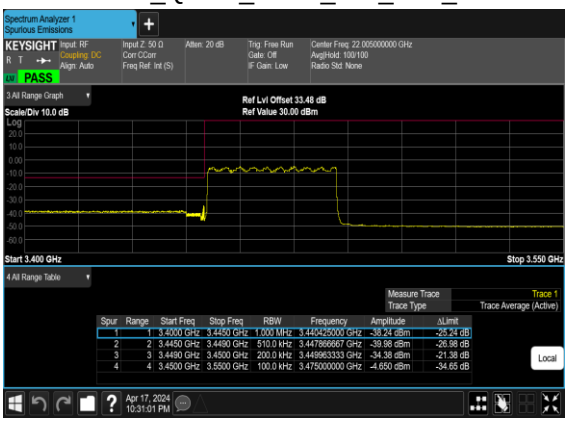

N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



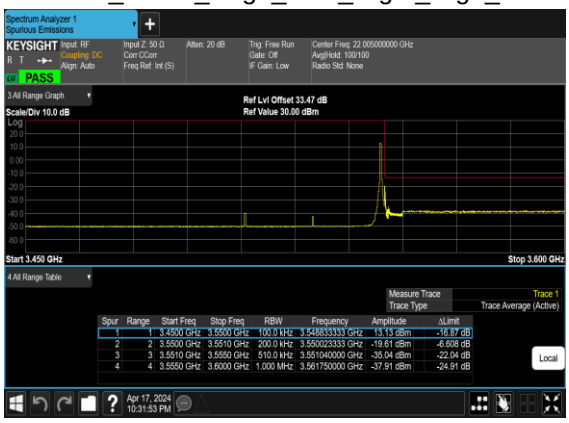

N78(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



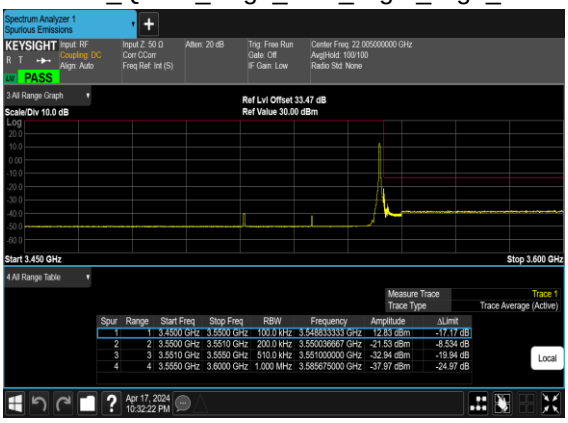

N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



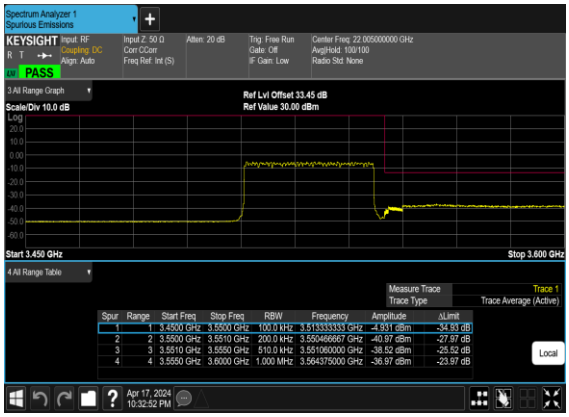
N78(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



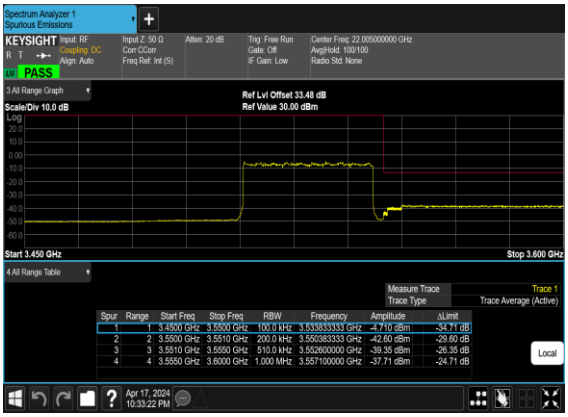

N78(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



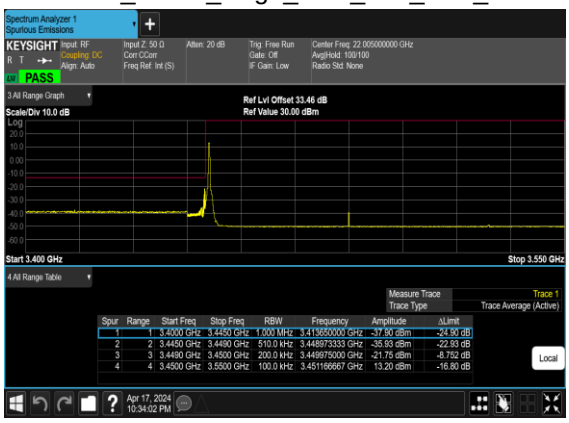

N78(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



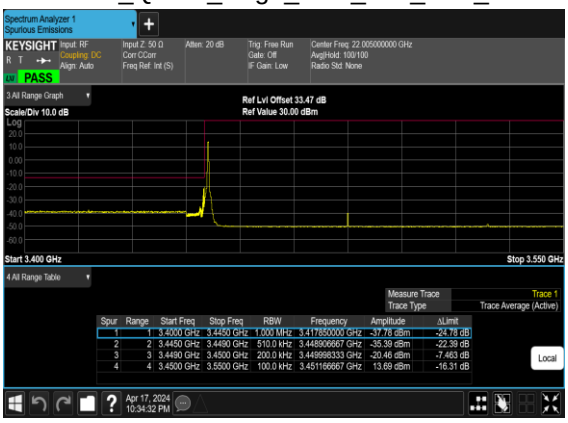

N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



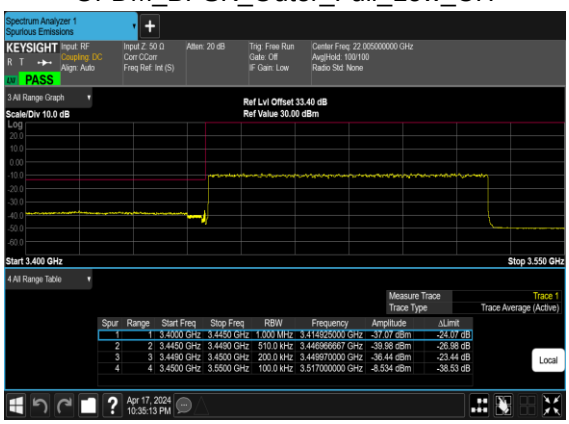

N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



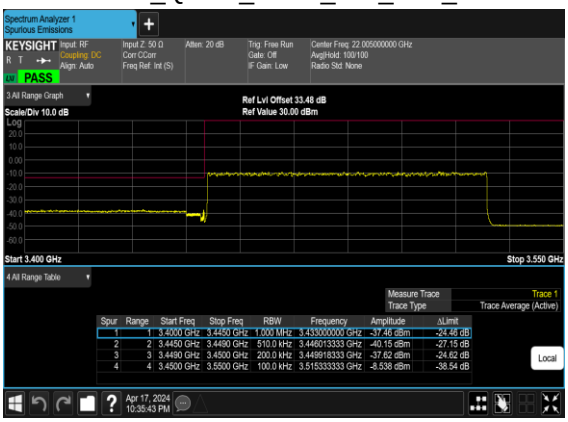

N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



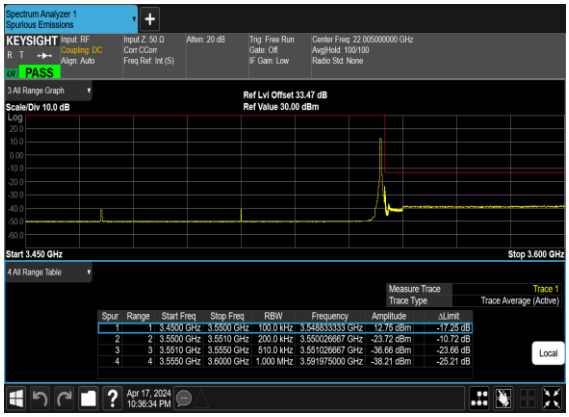
N78(80M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



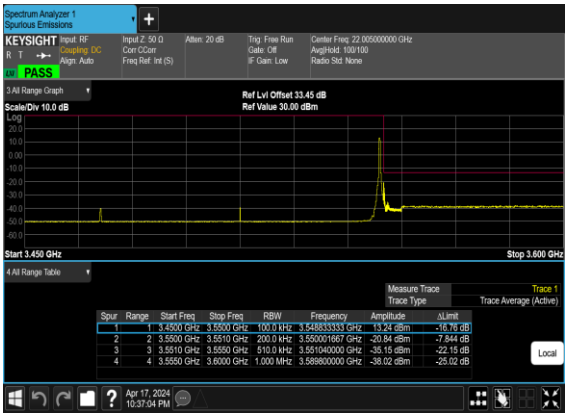

N78(80M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



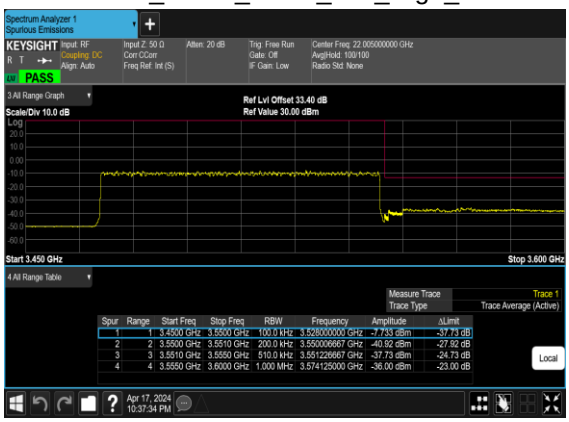

N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



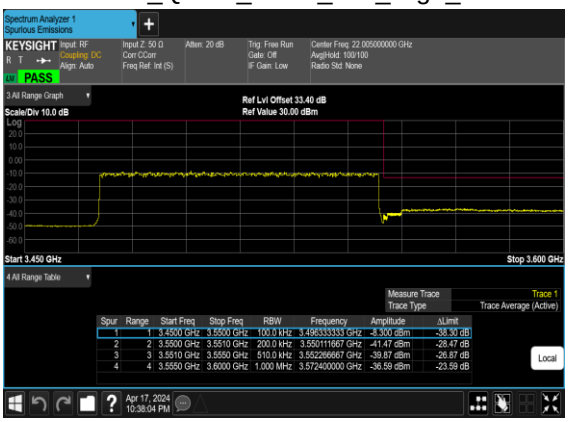

N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



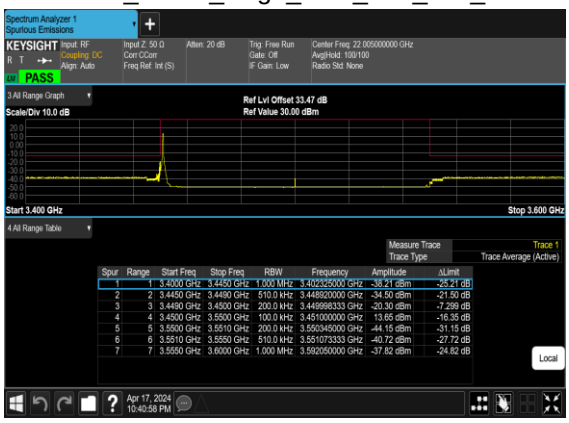

N78(80M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



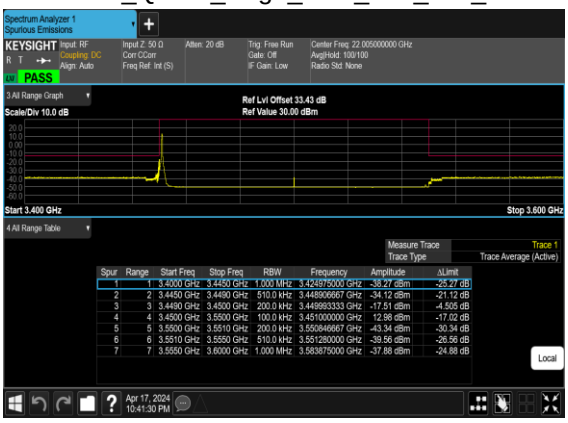

N78(80M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



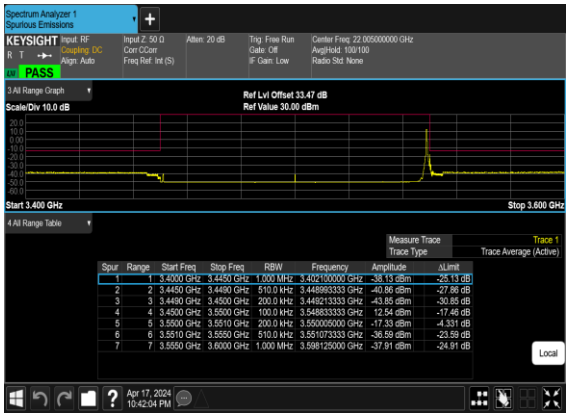
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



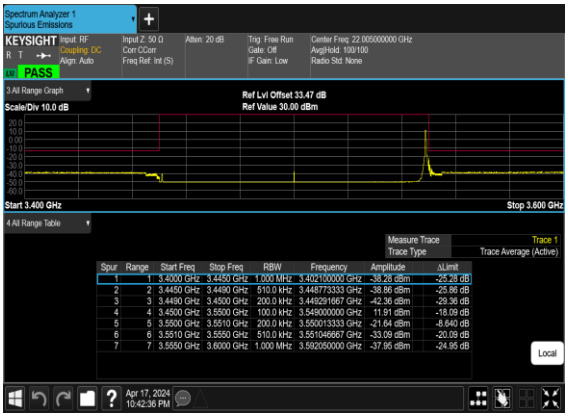

N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



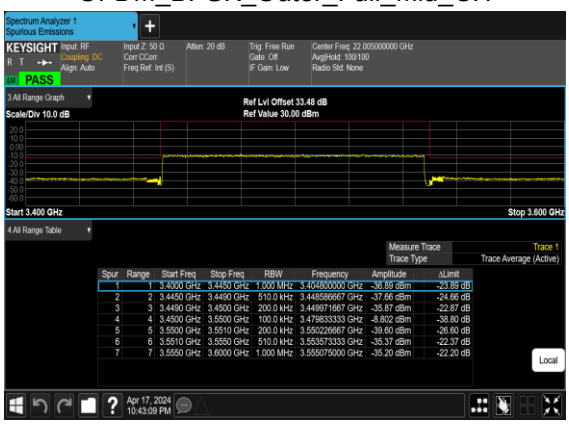

N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



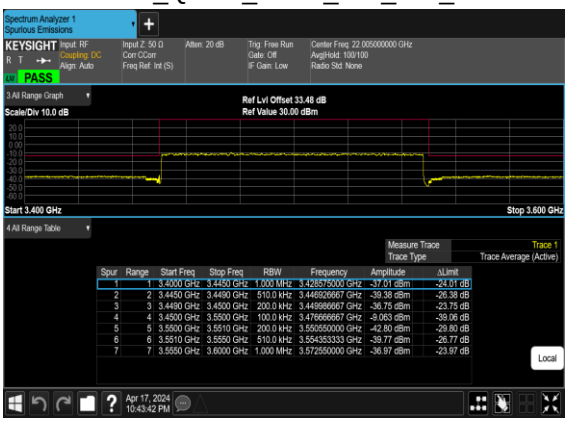

N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH




N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH




N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | Carry Xu | Temperature : | 23~25℃ |
|---|---|---|---|
| | | Relative Humidity : | 41~42% |

**RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.**

| EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT1 (LTE) & ANT2(NR) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 6900 | -59.09 | -13 | -46.09 | -69.30 | 3.03 | 13.24 | H |
| | 10356 | -58.46 | -13 | -45.46 | -67.91 | 3.56 | 13.01 | H |
| | 13824 | -59.10 | -13 | -46.10 | -68.62 | 3.92 | 13.44 | H |
| | 6900 | -58.59 | -13 | -45.59 | -68.80 | 3.03 | 13.24 | V |
| | 10356 | -57.87 | -13 | -44.87 | -67.32 | 3.56 | 13.01 | V |
| | 13824 | -59.24 | -13 | -46.24 | -68.76 | 3.92 | 13.44 | V |

| SA n78 / NR 100MHz / QPSK / ANT2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 6900 | -57.26 | -13 | -44.26 | -67.47 | 3.03 | 13.24 | H |
| | 10356 | -40.24 | -13 | -27.24 | -49.69 | 3.56 | 13.01 | H |
| | 13800 | -59.26 | -13 | -46.26 | -68.78 | 3.92 | 13.44 | H |
| | 6900 | -60.59 | -13 | -47.59 | -70.80 | 3.03 | 13.24 | V |
| | 10356 | -60.49 | -13 | -47.49 | -69.94 | 3.56 | 13.01 | V |
| | 13800 | -58.68 | -13 | -45.68 | -68.20 | 3.92 | 13.44 | V |

| EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT1 (LTE) & ANT2(NR) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 6900 | -49.71 | -13 | -36.71 | -59.92 | 3.03 | 13.24 | H |
| | 10356 | -49.69 | -13 | -36.69 | -59.14 | 3.56 | 13.01 | H |
| | 13800 | -61.10 | -13 | -48.10 | -70.62 | 3.92 | 13.44 | H |
| | 6900 | -61.19 | -13 | -48.19 | -71.40 | 3.03 | 13.24 | V |
| | 10356 | -60.58 | -13 | -47.58 | -70.03 | 3.56 | 13.01 | V |
| | 13800 | -59.71 | -13 | -46.71 | -69.23 | 3.92 | 13.44 | V |

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