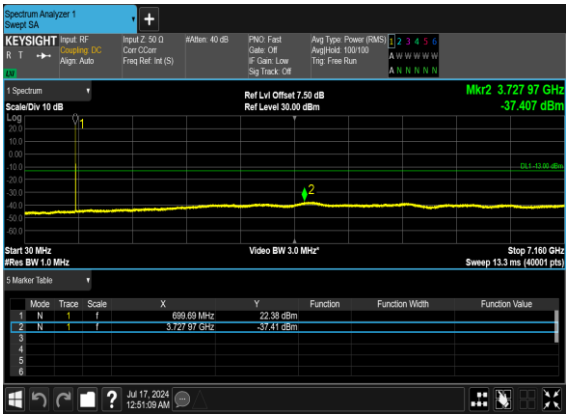
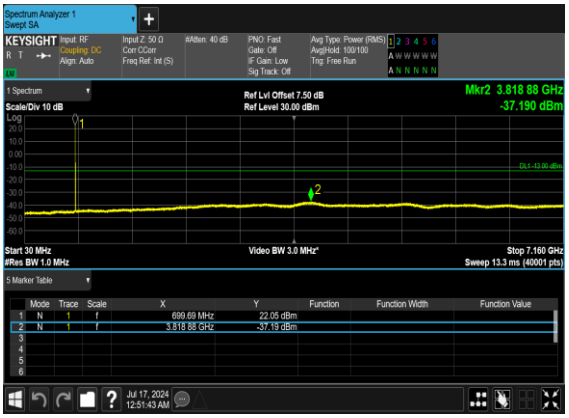
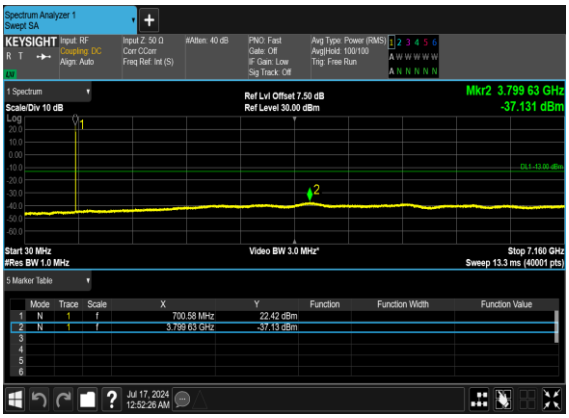
N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



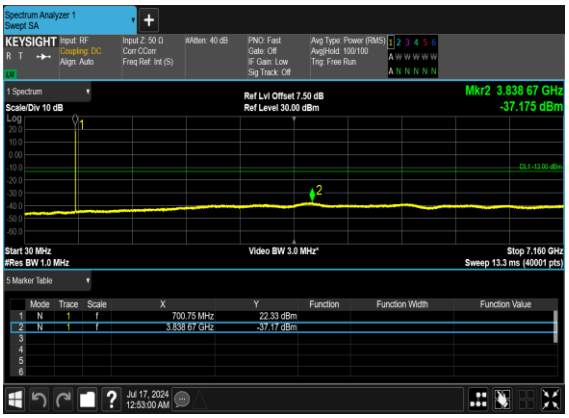

N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



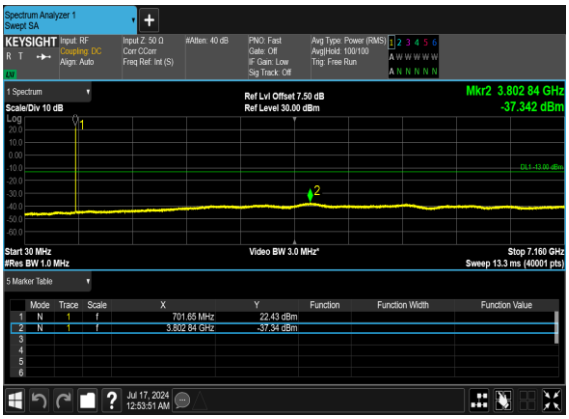

N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



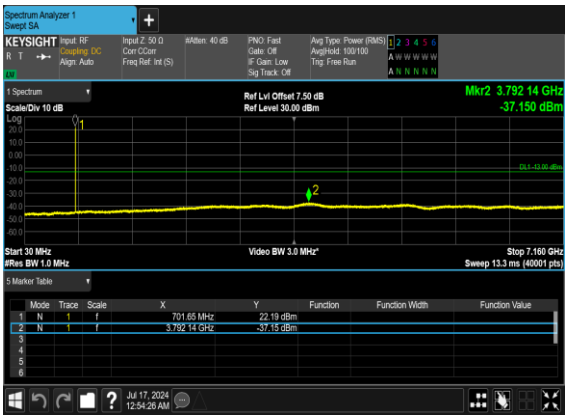

N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH




N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



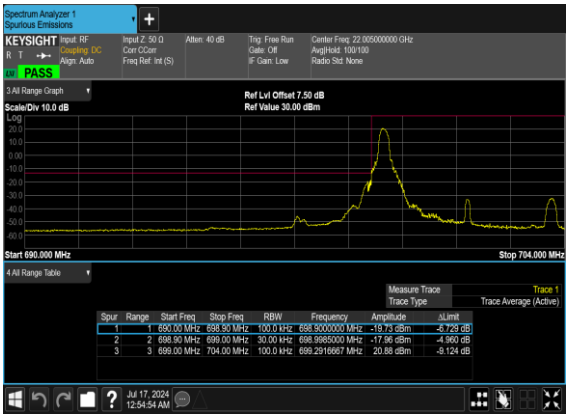

N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



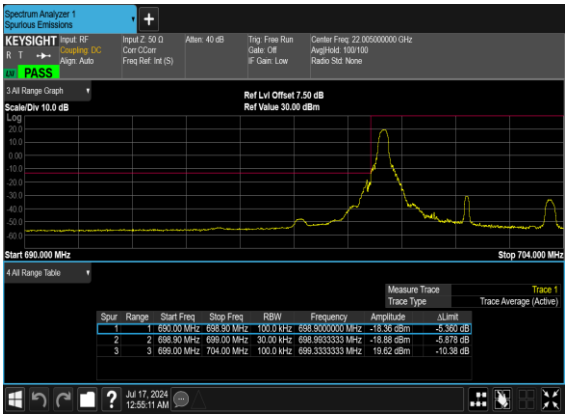
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **12** | 15 | 5 | 140300 | 701.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **12** | 15 | 5 | 140300 | 701.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **12** | 15 | 5 | 140300 | 701.5 | DFT-s-OFDM BPSK | 25@0 | see graph | **PASS** |
| **12** | 15 | 5 | 140300 | 701.5 | DFT-s-OFDM QPSK | 25@0 | see graph | **PASS** |
| **12** | 15 | 5 | 142700 | 713.5 | DFT-s-OFDM BPSK | 1@24 | see graph | **PASS** |
| **12** | 15 | 5 | 142700 | 713.5 | DFT-s-OFDM QPSK | 1@24 | see graph | **PASS** |
| **12** | 15 | 5 | 142700 | 713.5 | DFT-s-OFDM BPSK | 25@0 | see graph | **PASS** |
| **12** | 15 | 5 | 142700 | 713.5 | DFT-s-OFDM QPSK | 25@0 | see graph | **PASS** |
| **12** | 15 | 10 | 140800 | 704.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **12** | 15 | 10 | 140800 | 704.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **12** | 15 | 10 | 140800 | 704.0 | DFT-s-OFDM BPSK | 50@0 | see graph | **PASS** |
| **12** | 15 | 10 | 140800 | 704.0 | DFT-s-OFDM QPSK | 50@0 | see graph | **PASS** |
| **12** | 15 | 10 | 142200 | 711.0 | DFT-s-OFDM BPSK | 1@51 | see graph | **PASS** |
| **12** | 15 | 10 | 142200 | 711.0 | DFT-s-OFDM QPSK | 1@51 | see graph | **PASS** |
| **12** | 15 | 10 | 142200 | 711.0 | DFT-s-OFDM BPSK | 50@0 | see graph | **PASS** |
| **12** | 15 | 10 | 142200 | 711.0 | DFT-s-OFDM QPSK | 50@0 | see graph | **PASS** |
| **12** | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **12** | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **12** | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM BPSK | 75@0 | see graph | **PASS** |
| **12** | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM QPSK | 75@0 | see graph | **PASS** |
| **12** | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM BPSK | 1@78 | see graph | **PASS** |
| **12** | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM QPSK | 1@78 | see graph | **PASS** |
| **12** | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM BPSK | 75@0 | see graph | **PASS** |
| **12** | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM QPSK | 75@0 | see graph | **PASS** |

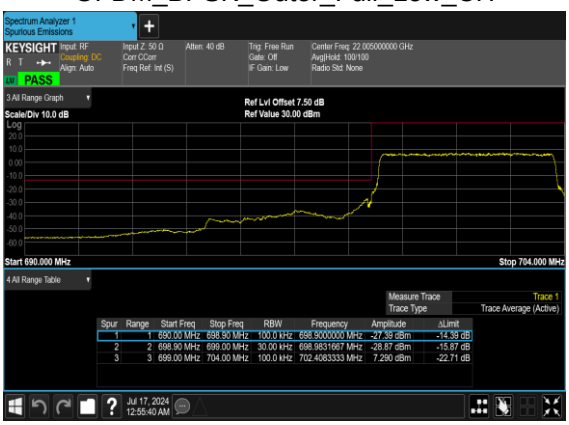
N12(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



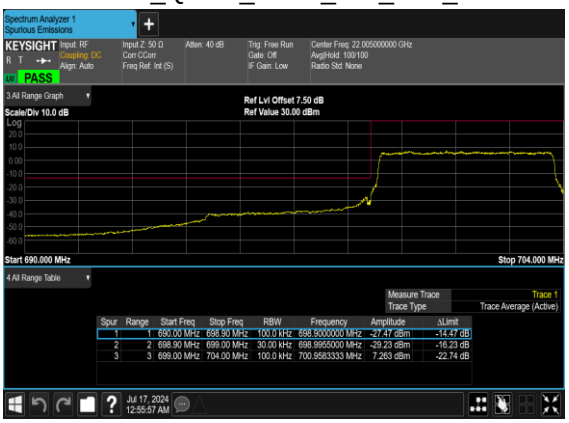

N12(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



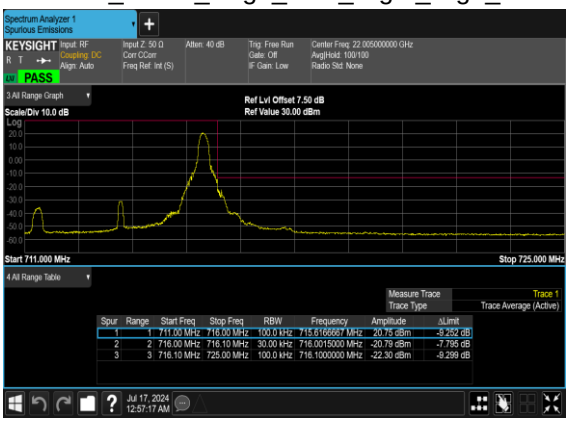

N12(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



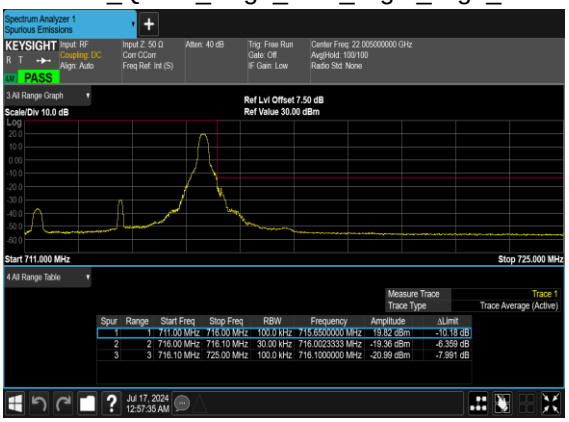

N12(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



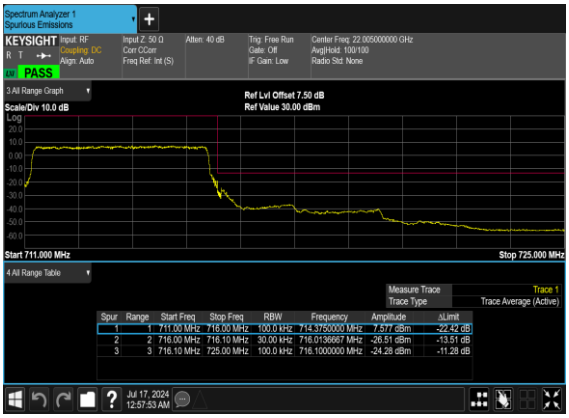

N12(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



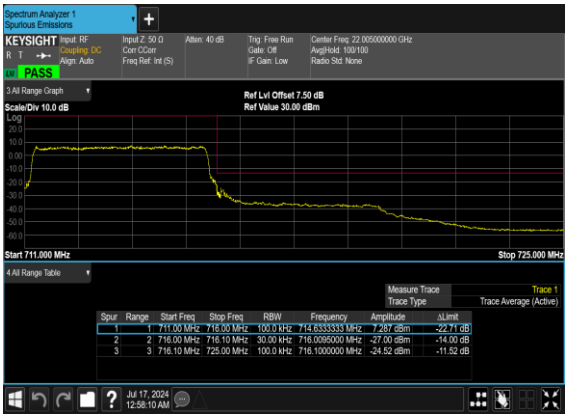

N12(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



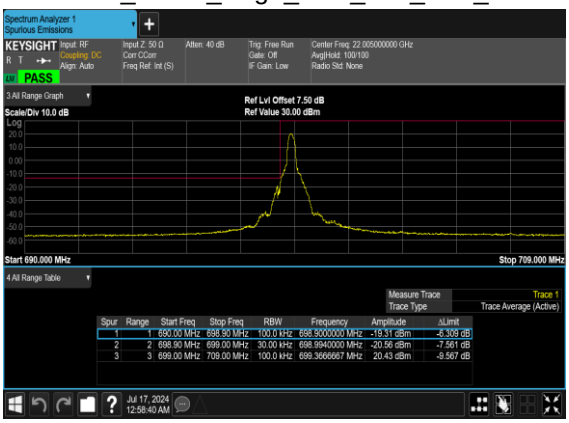
N12(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



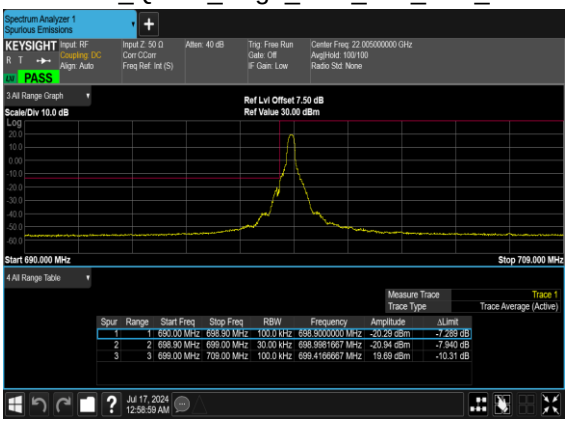

N12(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



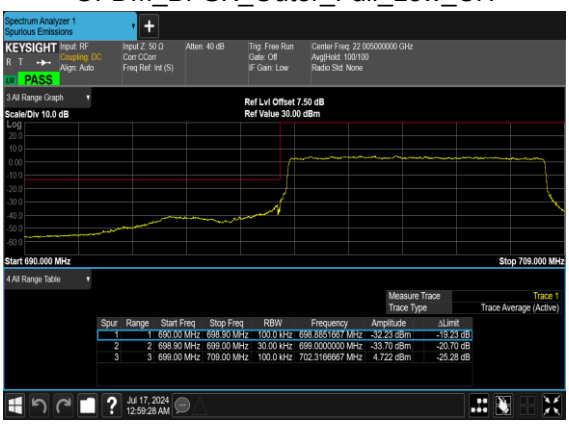

N12(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH




N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

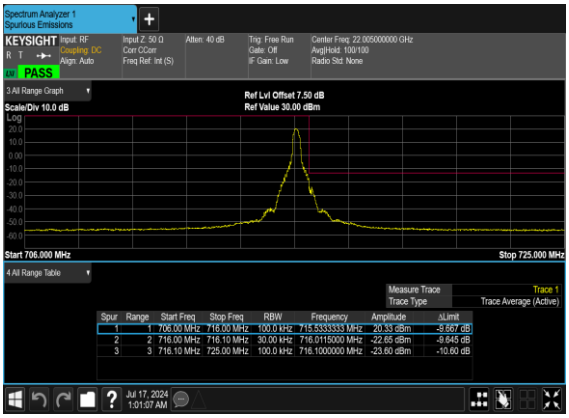



N12(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

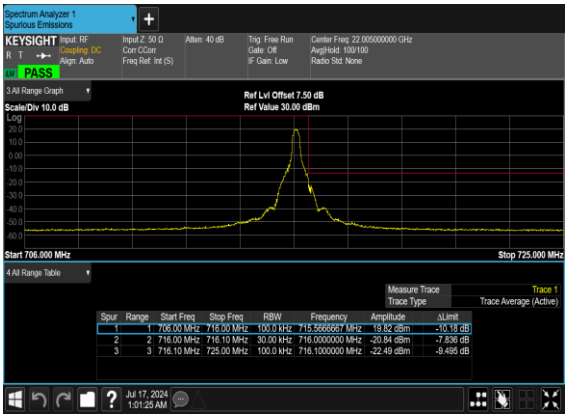



N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N12(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



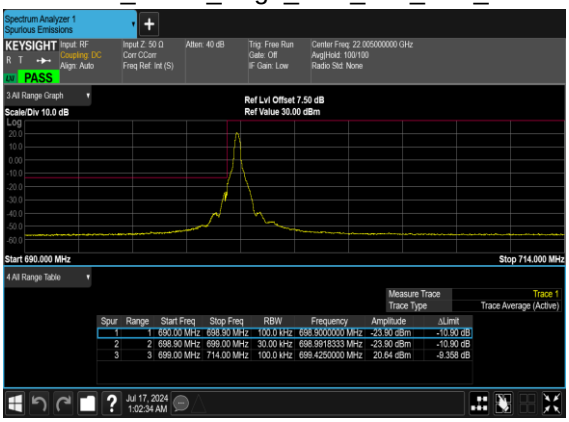

N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



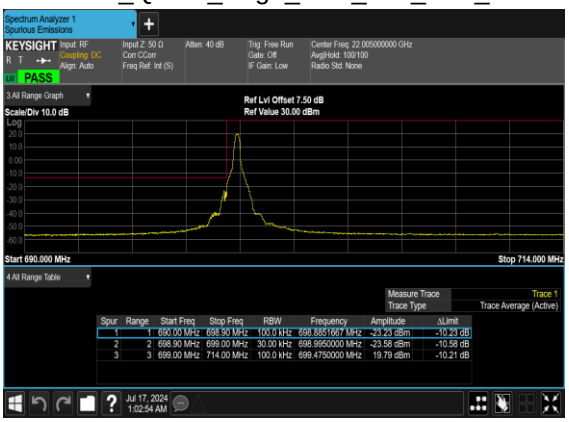

N12(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

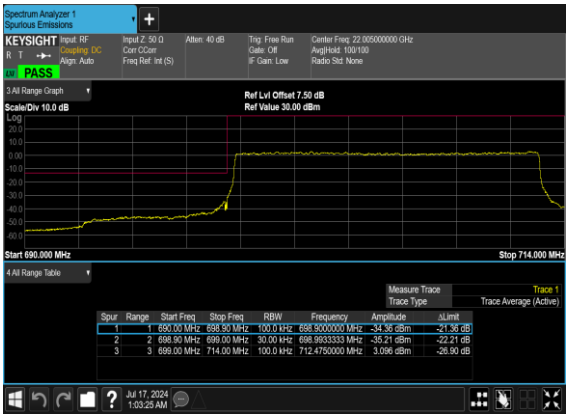
N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



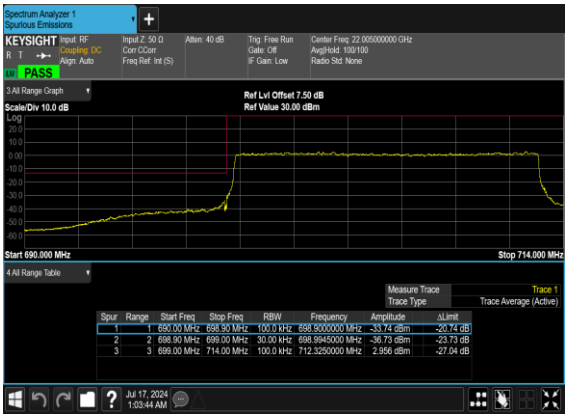

N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



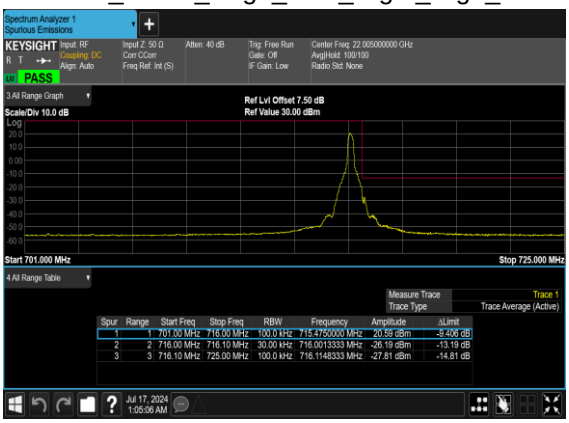
N12(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



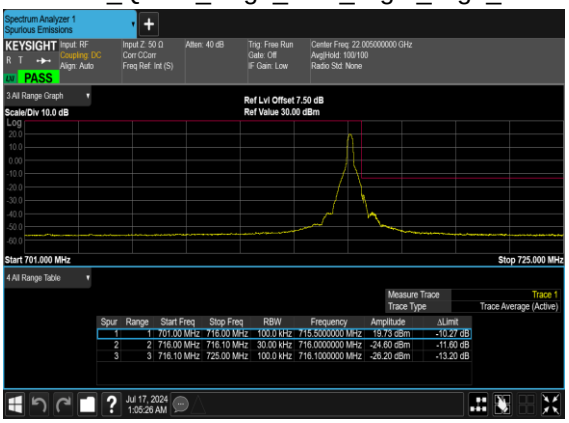

N12(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH




N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH




N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH




N12(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N12(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

Software Version: 23.06.1602

# FR1 N25-SCS 15k-ANT 1

## Transmitter Conducted Output Power And EIRP, ($G_T$ - $L_C$)=2.55dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM QPSK | 1@1 | 22.78 | 25.33 | 0.3412 |
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.87 | 24.42 | 0.2767 |
| **25** | 15 | 5 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.93 | 25.48 | 0.3532 |
| **25** | 15 | 5 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.95 | 24.5 | 0.2818 |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM QPSK | 1@1 | 22.57 | 25.12 | 0.3251 |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.63 | 24.18 | 0.2618 |
| **25** | 15 | 10 | 371000 | 1855 | DFT-s-OFDM QPSK | 1@1 | 22.84 | 25.39 | 0.3459 |
| **25** | 15 | 10 | 371000 | 1855 | DFT-s-OFDM 16 QAM | 1@1 | 21.9 | 24.45 | 0.2786 |
| **25** | 15 | 10 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.69 | 25.24 | 0.3342 |
| **25** | 15 | 10 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.81 | 24.36 | 0.2729 |
| **25** | 15 | 10 | 382000 | 1910 | DFT-s-OFDM QPSK | 1@1 | 22.64 | 25.19 | 0.3304 |
| **25** | 15 | 10 | 382000 | 1910 | DFT-s-OFDM 16 QAM | 1@1 | 21.71 | 24.26 | 0.2667 |
| **25** | 15 | 15 | 371500 | 1857.5 | DFT-s-OFDM QPSK | 1@1 | 23.02 | 25.57 | 0.3606 |
| **25** | 15 | 15 | 371500 | 1857.5 | DFT-s-OFDM 16 QAM | 1@1 | 22.07 | 24.62 | 0.2897 |
| **25** | 15 | 15 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.96 | 25.51 | 0.3556 |
| **25** | 15 | 15 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 22.04 | 24.59 | 0.2877 |
| **25** | 15 | 15 | 381500 | 1907.5 | DFT-s-OFDM QPSK | 1@1 | 22.9 | 25.45 | 0.3508 |
| **25** | 15 | 15 | 381500 | 1907.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.85 | 24.4 | 0.2754 |
| **25** | 15 | 20 | 372000 | 1860 | DFT-s-OFDM QPSK | 1@1 | 22.89 | 25.44 | 0.3499 |
| **25** | 15 | 20 | 372000 | 1860 | DFT-s-OFDM 16 QAM | 1@1 | 21.9 | 24.45 | 0.2786 |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.96 | 25.51 | 0.3556 |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.86 | 24.41 | 0.2761 |
| **25** | 15 | 20 | 381000 | 1905 | DFT-s-OFDM QPSK | 1@1 | 22.96 | 25.51 | 0.3556 |
| **25** | 15 | 20 | 381000 | 1905 | DFT-s-OFDM 16 QAM | 1@1 | 21.95 | 24.5 | 0.2818 |
| **25** | 15 | 25 | 372500 | 1862.5 | DFT-s-OFDM QPSK | 1@1 | 22.77 | 25.32 | 0.3404 |
| **25** | 15 | 25 | 372500 | 1862.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.93 | 24.48 | 0.2805 |
| **25** | 15 | 25 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.85 | 25.4 | 0.3467 |
| **25** | 15 | 25 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.92 | 24.47 | 0.2799 |
| **25** | 15 | 25 | 380500 | 1902.5 | DFT-s-OFDM QPSK | 1@1 | 22.92 | 25.47 | 0.3524 |
| **25** | 15 | 25 | 380500 | 1902.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.99 | 24.54 | 0.2844 |
| **25** | 15 | 30 | 373000 | 1865 | DFT-s-OFDM QPSK | 1@1 | 22.97 | 25.52 | 0.3565 |
| **25** | 15 | 30 | 373000 | 1865 | DFT-s-OFDM 16 QAM | 1@1 | 21.99 | 24.54 | 0.2844 |
| **25** | 15 | 30 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.74 | 25.29 | 0.3381 |
| **25** | 15 | 30 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.95 | 24.5 | 0.2818 |
| **25** | 15 | 30 | 380000 | 1900 | DFT-s-OFDM QPSK | 1@1 | 23.03 | 25.58 | 0.3614 |
| **25** | 15 | 30 | 380000 | 1900 | DFT-s-OFDM 16 QAM | 1@1 | 22.11 | 24.66 | 0.2924 |
| **25** | 15 | 35 | 373500 | 1867.5 | DFT-s-OFDM QPSK | 1@1 | 22.95 | 25.5 | 0.3548 |
| **25** | 15 | 35 | 373500 | 1867.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.94 | 24.49 | 0.2812 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 35 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.75 | 25.3 | 0.3388 |
| **25** | 15 | 35 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.93 | 24.48 | 0.2805 |
| **25** | 15 | 35 | 379500 | 1897.5 | DFT-s-OFDM QPSK | 1@1 | 23.04 | 25.59 | 0.3622 |
| **25** | 15 | 35 | 379500 | 1897.5 | DFT-s-OFDM 16 QAM | 1@1 | 22.09 | 24.64 | 0.2911 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM PI/2 BPSK | 108@54 | 22.9 | 25.45 | 0.3508 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.74 | 25.29 | 0.3381 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM PI/2 BPSK | 1@214 | 22.9 | 25.45 | 0.3508 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM QPSK | 108@54 | 22.96 | 25.51 | 0.3556 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM QPSK | 1@1 | 23.05 | 25.6 | 0.3631 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM QPSK | 1@214 | 23 | 25.55 | 0.3589 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 16 QAM | 108@54 | 21.94 | 24.49 | 0.2812 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 16 QAM | 1@1 | 21.89 | 24.44 | 0.2780 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 16 QAM | 1@214 | 22.12 | 24.67 | 0.2931 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 64 QAM | 108@54 | 20.44 | 22.99 | 0.1991 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 64 QAM | 1@1 | 20.5 | 23.05 | 0.2018 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 64 QAM | 1@214 | 20.65 | 23.2 | 0.2089 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 256 QAM | 108@54 | 18.48 | 21.03 | 0.1268 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 256 QAM | 1@1 | 18.15 | 20.7 | 0.1175 |
| **25** | 15 | 40 | 374000 | 1870 | DFT-s-OFDM 256 QAM | 1@214 | 18.38 | 20.93 | 0.1239 |
| **25** | 15 | 40 | 374000 | 1870 | CP-OFDM QPSK | 108@54 | 21.42 | 23.97 | 0.2495 |
| **25** | 15 | 40 | 374000 | 1870 | CP-OFDM QPSK | 1@1 | 21.35 | 23.9 | 0.2455 |
| **25** | 15 | 40 | 374000 | 1870 | CP-OFDM QPSK | 1@214 | 21.51 | 24.06 | 0.2547 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM PI/2 BPSK | 108@54 | 22.88 | 25.43 | 0.3491 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.73 | 25.28 | 0.3373 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM PI/2 BPSK | 1@214 | 22.78 | 25.33 | 0.3412 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 108@54 | 22.83 | 25.38 | 0.3451 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@1 | 22.86 | 25.41 | 0.3475 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@214 | 22.79 | 25.34 | 0.3420 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 108@54 | 21.89 | 24.44 | 0.2780 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@1 | 21.95 | 24.5 | 0.2818 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 16 QAM | 1@214 | 21.97 | 24.52 | 0.2831 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 64 QAM | 108@54 | 20.43 | 22.98 | 0.1986 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 64 QAM | 1@1 | 20.46 | 23.01 | 0.2000 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 64 QAM | 1@214 | 20.5 | 23.05 | 0.2018 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 256 QAM | 108@54 | 18.27 | 20.82 | 0.1208 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 256 QAM | 1@1 | 18.1 | 20.65 | 0.1161 |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM 256 QAM | 1@214 | 18.23 | 20.78 | 0.1197 |
| **25** | 15 | 40 | 376500 | 1882.5 | CP-OFDM QPSK | 108@54 | 21.31 | 23.86 | 0.2432 |
| **25** | 15 | 40 | 376500 | 1882.5 | CP-OFDM QPSK | 1@1 | 21.35 | 23.9 | 0.2455 |
| **25** | 15 | 40 | 376500 | 1882.5 | CP-OFDM QPSK | 1@214 | 21.05 | 23.6 | 0.2291 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM PI/2 BPSK | 108@54 | 22.96 | 25.51 | 0.3556 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.81 | 25.36 | 0.3436 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM PI/2 BPSK | 1@214 | 22.72 | 25.27 | 0.3365 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM QPSK | 108@54 | 23.02 | 25.57 | 0.3606 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM QPSK | 1@1 | 22.91 | 25.46 | 0.3516 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM QPSK | 1@214 | 22.78 | 25.33 | 0.3412 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 16 QAM | 108@54 | 22.12 | 24.67 | 0.2931 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 16 QAM | 1@1 | 22.15 | 24.7 | 0.2951 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 16 QAM | 1@214 | 21.93 | 24.48 | 0.2805 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 64 QAM | 108@54 | 20.58 | 23.13 | 0.2056 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 64 QAM | 1@1 | 20.63 | 23.18 | 0.2080 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 64 QAM | 1@214 | 20.48 | 23.03 | 0.2009 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 256 QAM | 108@54 | 18.11 | 20.66 | 0.1164 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 256 QAM | 1@1 | 18.27 | 20.82 | 0.1208 |
| **25** | 15 | 40 | 379000 | 1895 | DFT-s-OFDM 256 QAM | 1@214 | 18.21 | 20.76 | 0.1191 |
| **25** | 15 | 40 | 379000 | 1895 | CP-OFDM QPSK | 108@54 | 21.48 | 24.03 | 0.2529 |
| **25** | 15 | 40 | 379000 | 1895 | CP-OFDM QPSK | 1@1 | 21.5 | 24.05 | 0.2541 |
| **25** | 15 | 40 | 379000 | 1895 | CP-OFDM QPSK | 1@214 | 21.37 | 23.92 | 0.2466 |

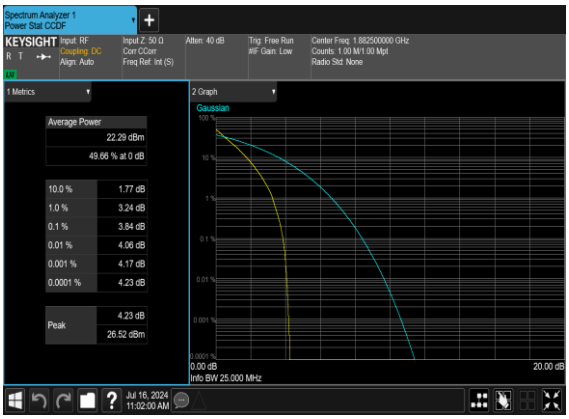
## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Deviation (ppm) | Verdict | Environment |
|---|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0026 | **PASS** | NV |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0069 | **PASS** | LV |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0064 | **PASS** | HV |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0049 | **PASS** | -30℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0036 | **PASS** | -20℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0038 | **PASS** | -10℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0059 | **PASS** | 0℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0026 | **PASS** | 10℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0026 | **PASS** | 20℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0059 | **PASS** | 30℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0027 | **PASS** | 40℃ |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 0.0041 | **PASS** | 50℃ |

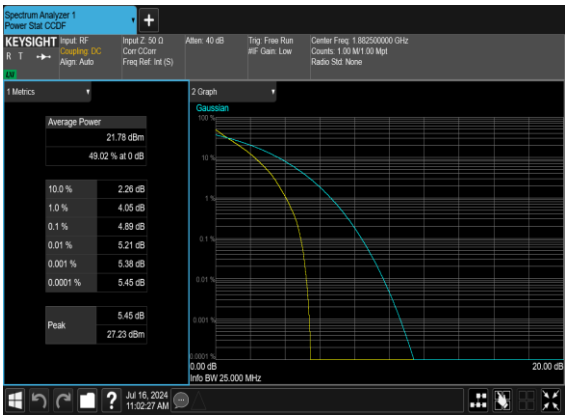
## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM PI/2 BPSK | 100@0 | 3.84 | 13 | **PASS** |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 100@0 | 4.89 | 13 | **PASS** |

N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH




N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



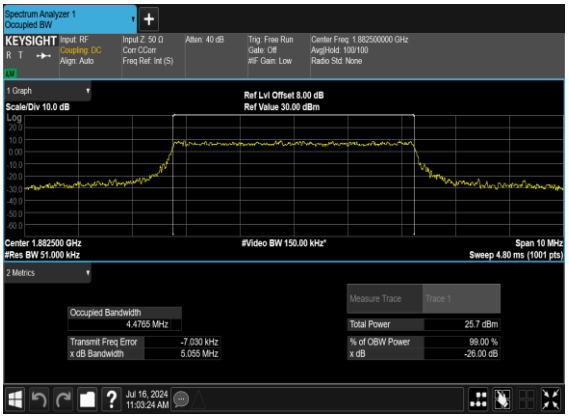
## Occupied Bandwidth

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | OBW (MHz) | 26dB BW (MHz) |
|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 5 | 376500 | 1882.5 | CP-OFDM QPSK | 25@0 | 4.4691 | 4.967 |
| **25** | 15 | 5 | 376500 | 1882.5 | CP-OFDM 16 QAM | 25@0 | 4.4765 | 5.055 |
| **25** | 15 | 5 | 376500 | 1882.5 | CP-OFDM 64 QAM | 25@0 | 4.4732 | 5.194 |
| **25** | 15 | 5 | 376500 | 1882.5 | CP-OFDM 256 QAM | 25@0 | 4.4818 | 5.008 |
| **25** | 15 | 10 | 376500 | 1882.5 | CP-OFDM QPSK | 52@0 | 9.2822 | 9.987 |
| **25** | 15 | 10 | 376500 | 1882.5 | CP-OFDM 16 QAM | 52@0 | 9.3033 | 10.04 |
| **25** | 15 | 10 | 376500 | 1882.5 | CP-OFDM 64 QAM | 52@0 | 9.2765 | 9.883 |
| **25** | 15 | 10 | 376500 | 1882.5 | CP-OFDM 256 QAM | 52@0 | 9.2845 | 9.931 |
| **25** | 15 | 15 | 376500 | 1882.5 | CP-OFDM QPSK | 79@0 | 14.103 | 14.88 |
| **25** | 15 | 15 | 376500 | 1882.5 | CP-OFDM 16 QAM | 79@0 | 14.096 | 14.96 |
| **25** | 15 | 15 | 376500 | 1882.5 | CP-OFDM 64 QAM | 79@0 | 14.111 | 14.95 |
| **25** | 15 | 15 | 376500 | 1882.5 | CP-OFDM 256 QAM | 79@0 | 14.067 | 14.91 |
| **25** | 15 | 20 | 376500 | 1882.5 | CP-OFDM QPSK | 106@0 | 18.898 | 19.68 |
| **25** | 15 | 20 | 376500 | 1882.5 | CP-OFDM 16 QAM | 106@0 | 18.925 | 19.86 |
| **25** | 15 | 20 | 376500 | 1882.5 | CP-OFDM 64 QAM | 106@0 | 18.9 | 19.74 |
| **25** | 15 | 20 | 376500 | 1882.5 | CP-OFDM 256 QAM | 106@0 | 18.925 | 19.9 |
| **25** | 15 | 25 | 376500 | 1882.5 | CP-OFDM QPSK | 133@0 | 23.729 | 24.88 |
| **25** | 15 | 25 | 376500 | 1882.5 | CP-OFDM 16 QAM | 133@0 | 23.725 | 24.73 |
| **25** | 15 | 25 | 376500 | 1882.5 | CP-OFDM 64 QAM | 133@0 | 23.805 | 24.84 |
| **25** | 15 | 25 | 376500 | 1882.5 | CP-OFDM 256 QAM | 133@0 | 23.706 | 24.73 |
| **25** | 15 | 30 | 376500 | 1882.5 | CP-OFDM QPSK | 160@0 | 28.511 | 29.59 |
| **25** | 15 | 30 | 376500 | 1882.5 | CP-OFDM 16 QAM | 160@0 | 28.554 | 29.64 |
| **25** | 15 | 30 | 376500 | 1882.5 | CP-OFDM 64 QAM | 160@0 | 28.484 | 29.7 |
| **25** | 15 | 30 | 376500 | 1882.5 | CP-OFDM 256 QAM | 160@0 | 28.535 | 29.73 |
| **25** | 15 | 35 | 376500 | 1882.5 | CP-OFDM QPSK | 188@0 | 33.504 | 34.63 |
| **25** | 15 | 35 | 376500 | 1882.5 | CP-OFDM 16 QAM | 188@0 | 33.472 | 34.71 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 35 | 376500 | 1882.5 | CP-OFDM 64 QAM | 188@0 | 33.589 | 34.73 |
| **25** | 15 | 35 | 376500 | 1882.5 | CP-OFDM 256 QAM | 188@0 | 33.465 | 34.79 |
| **25** | 15 | 40 | 376500 | 1882.5 | CP-OFDM QPSK | 216@0 | 38.595 | 39.91 |
| **25** | 15 | 40 | 376500 | 1882.5 | CP-OFDM 16 QAM | 216@0 | 38.537 | 39.98 |
| **25** | 15 | 40 | 376500 | 1882.5 | CP-OFDM 64 QAM | 216@0 | 38.627 | 39.93 |
| **25** | 15 | 40 | 376500 | 1882.5 | CP-OFDM 256 QAM | 216@0 | 38.541 | 39.98 |

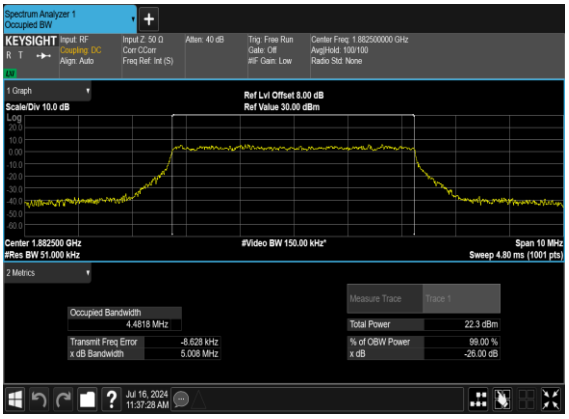
N25(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N25(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH




N25(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

N25(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

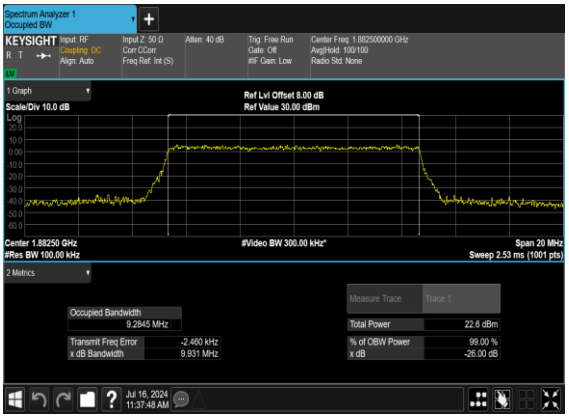



N25(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

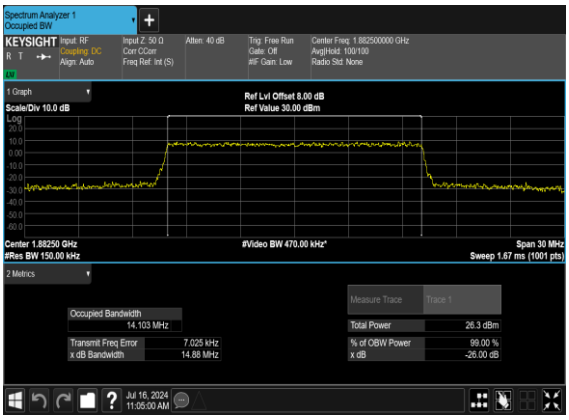
N25(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N25(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

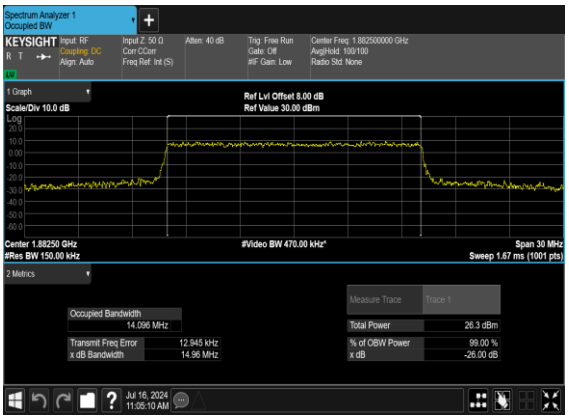
N25(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH




N25(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



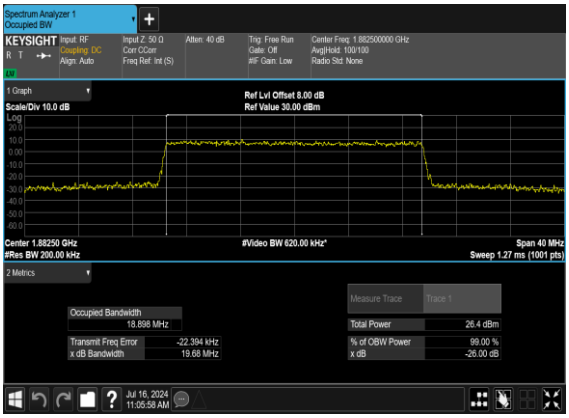

N25(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



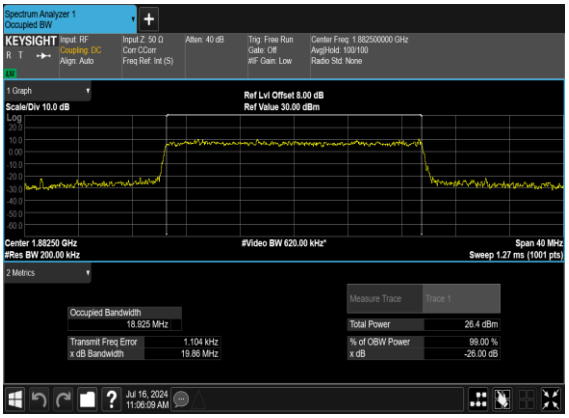

N25(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N25(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

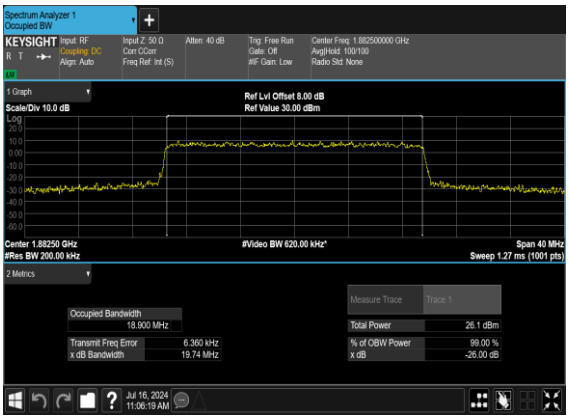
N25(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



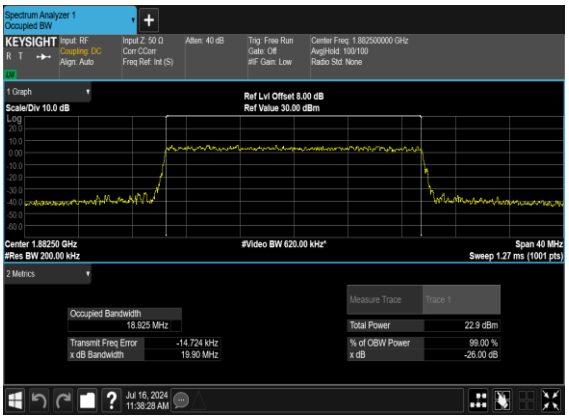

N25(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



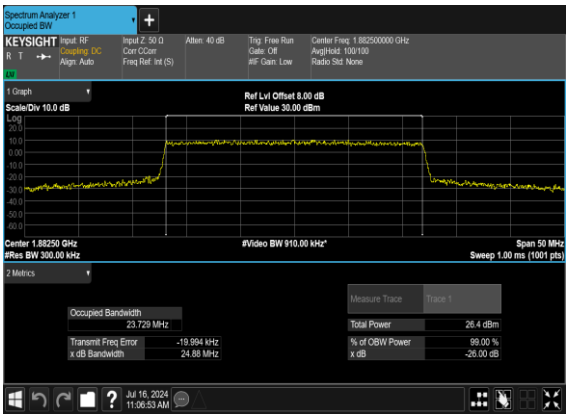

N25(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH




N25(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



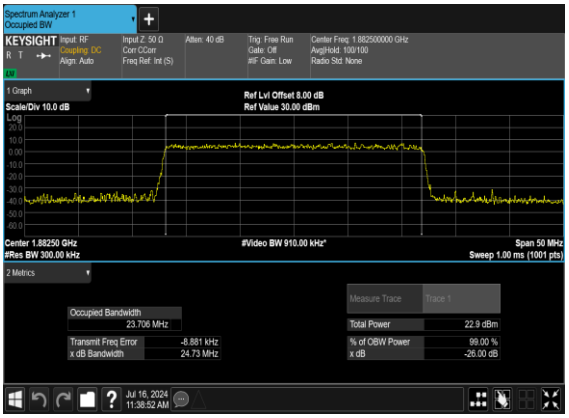

N25(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH




N25(25M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

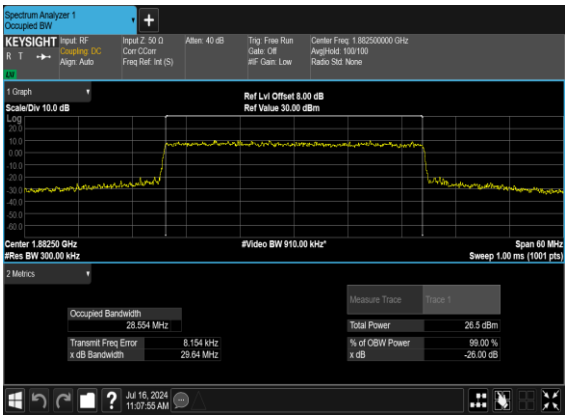
N25(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N25(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

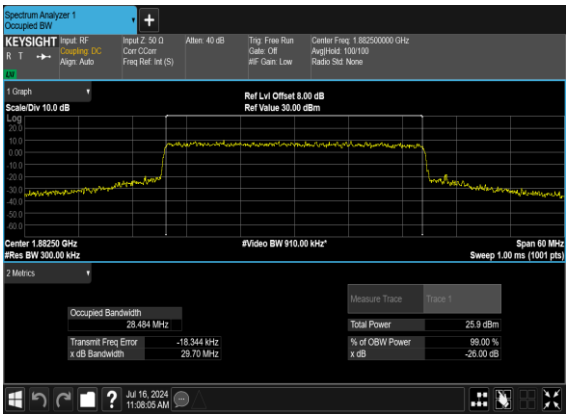



N25(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

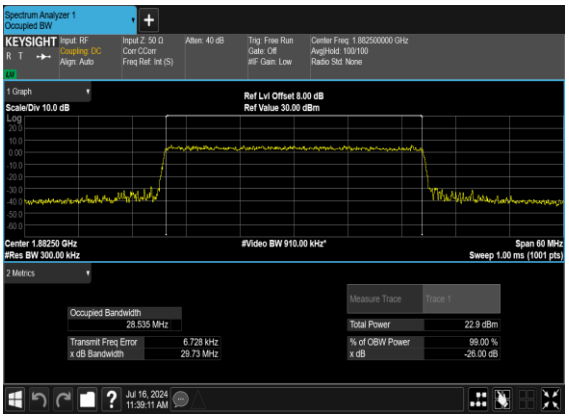
N25(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



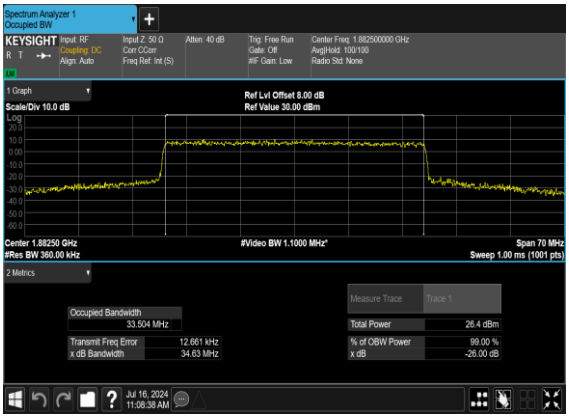

N25(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



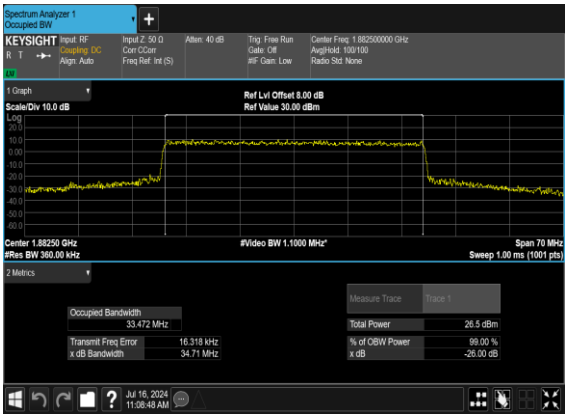

N25(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



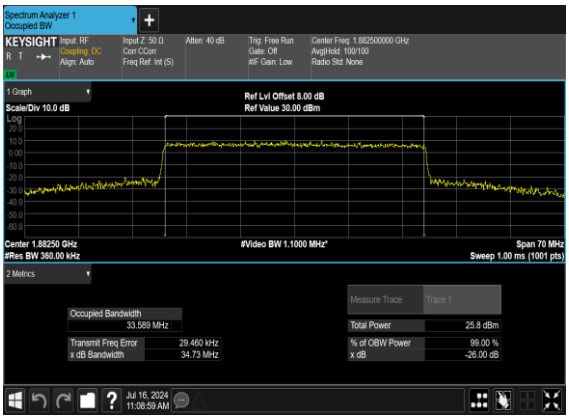
N25(35M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



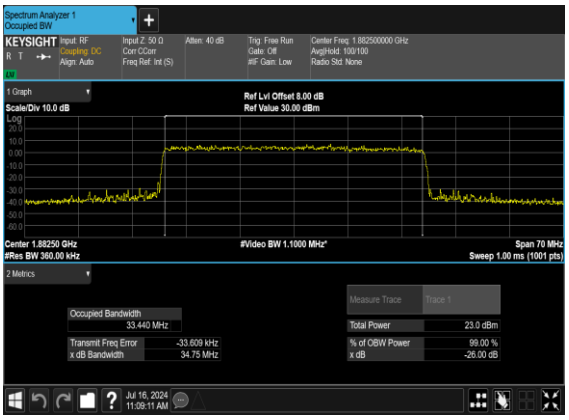

N25(35M)_CP-OFDM_16QAM_Outer_Full_Mid_CH




N25(35M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

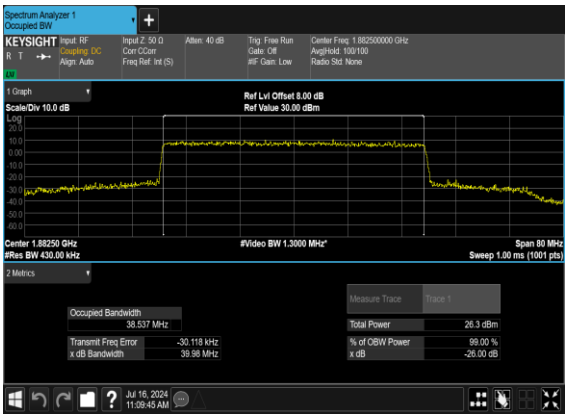



N25(35M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

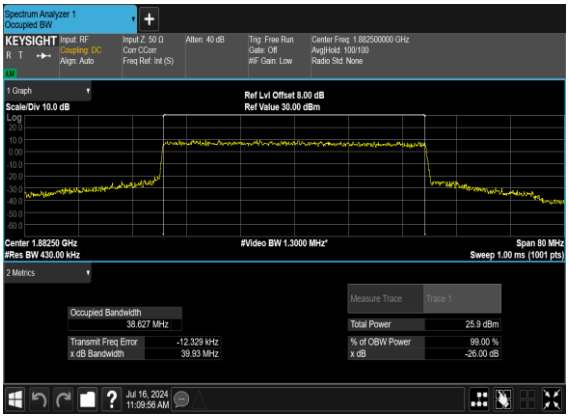



N25(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

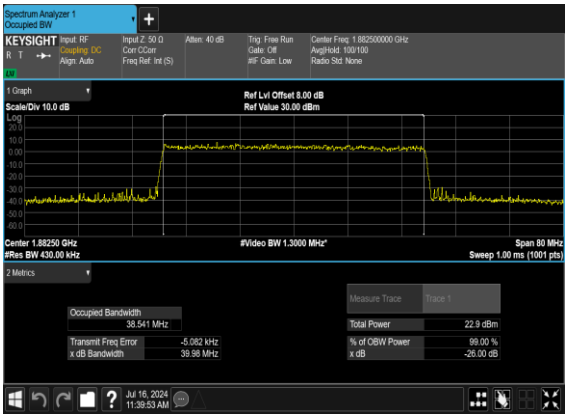
N25(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH




N25(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

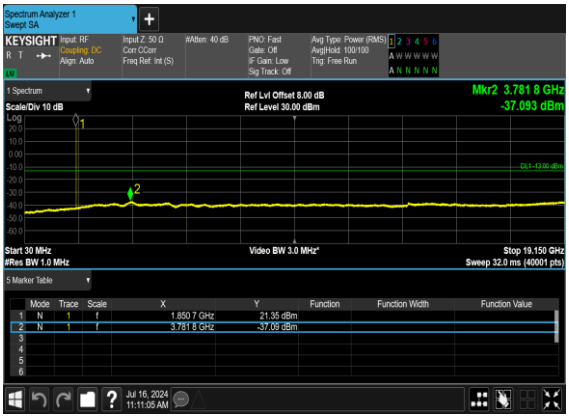


## Conducted Spurious Emissions

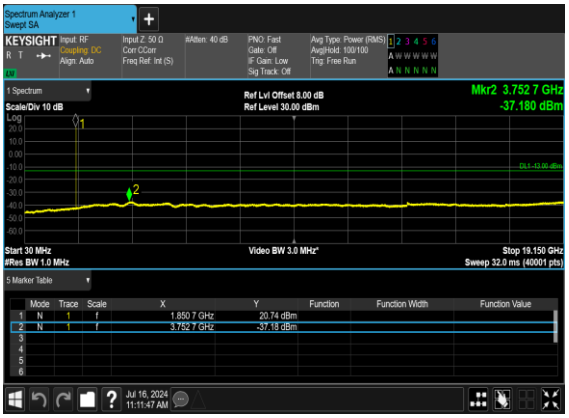
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 5 | 376500 | 1882.5 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| **25** | 15 | 5 | 376500 | 1882.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 5 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| **25** | 15 | 5 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| **25** | 15 | 20 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **25** | 15 | 40 | 376500 | 1882.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **---** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **---** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |

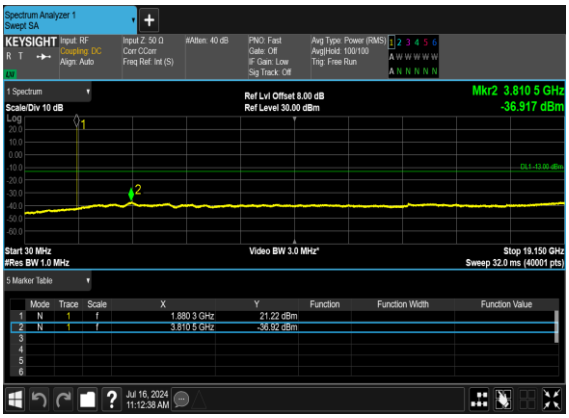
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



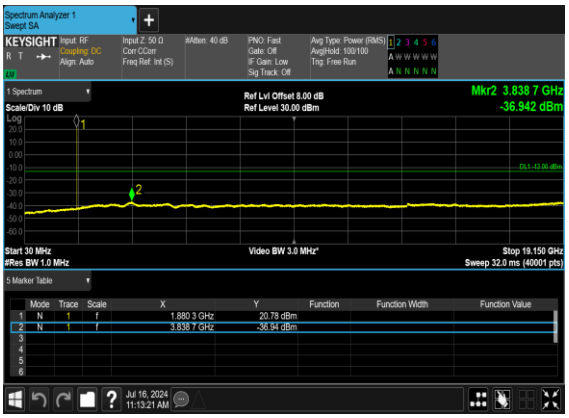

N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



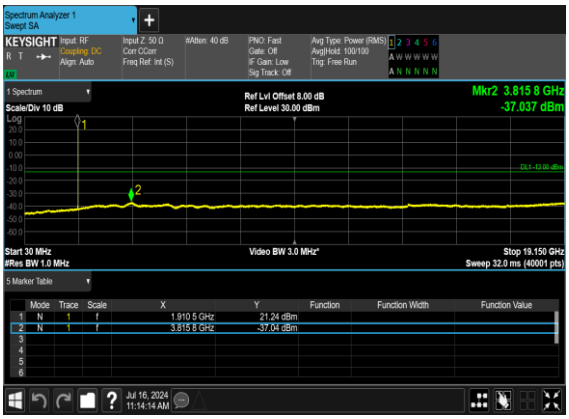

N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



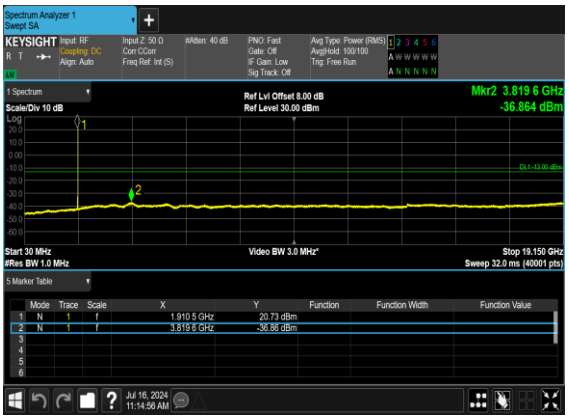

N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



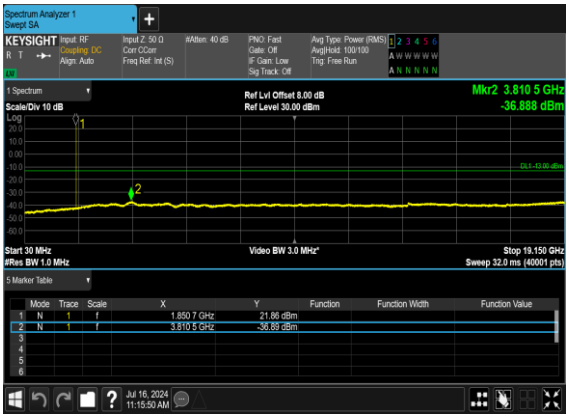

N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



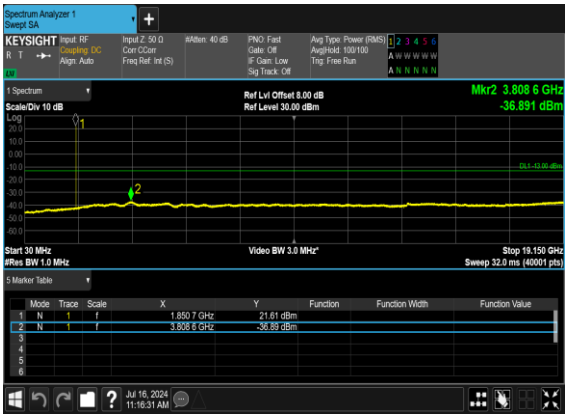

N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



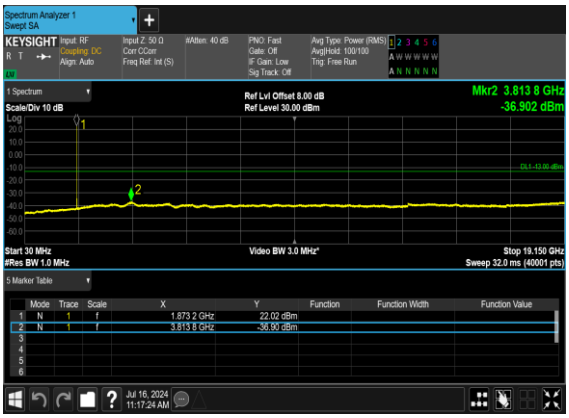
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



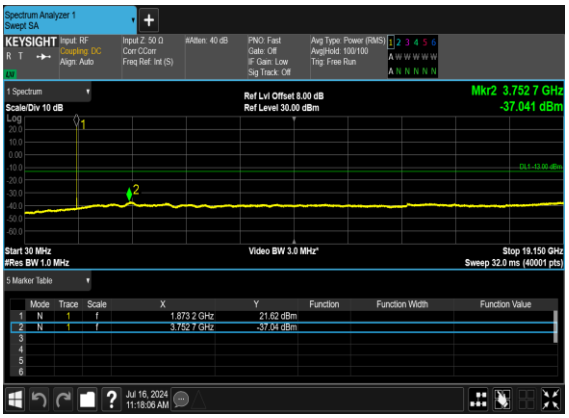

N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



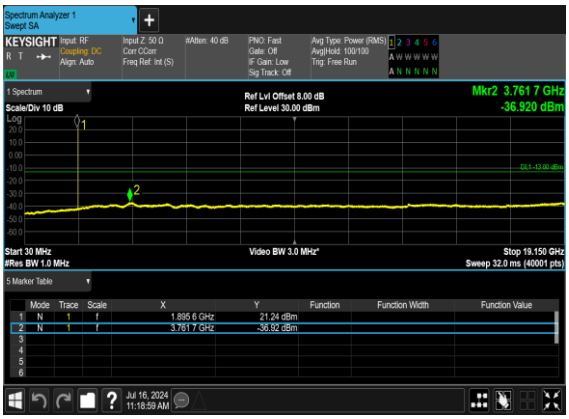

N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



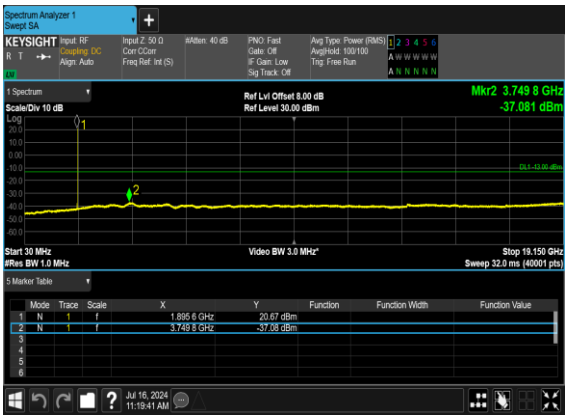

N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



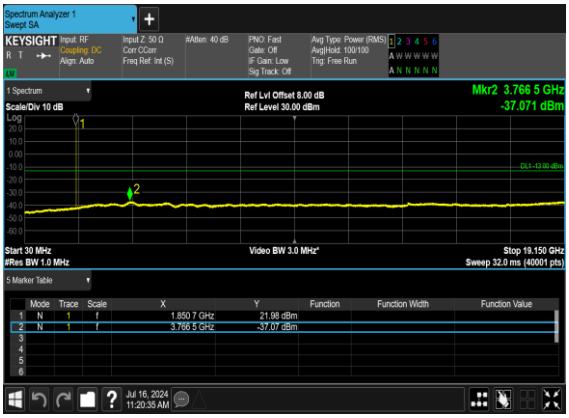

N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



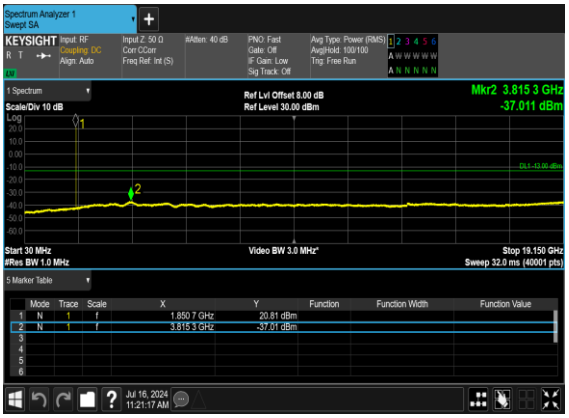

N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



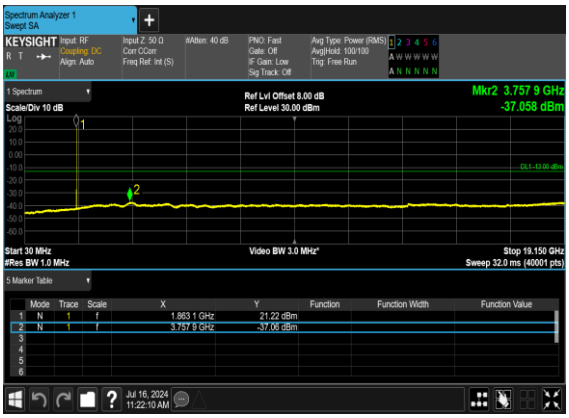
N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



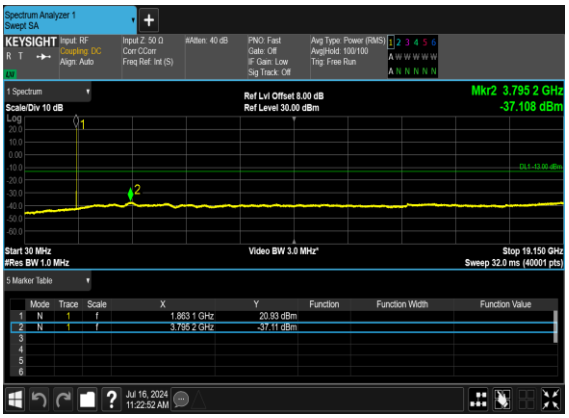

N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



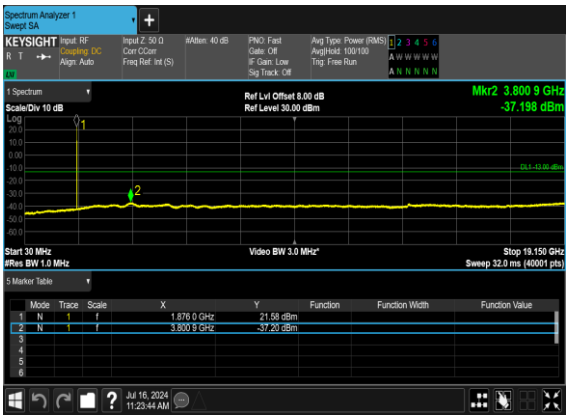

N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



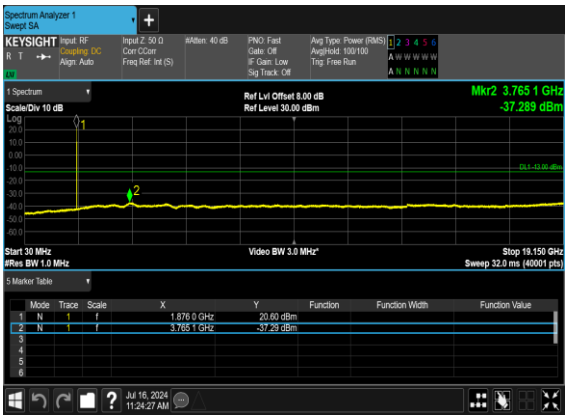

N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH




N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



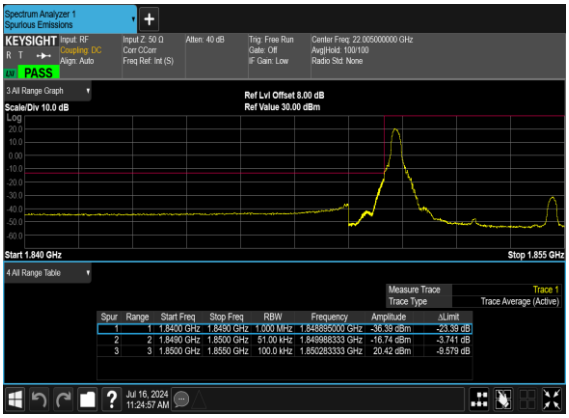

N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



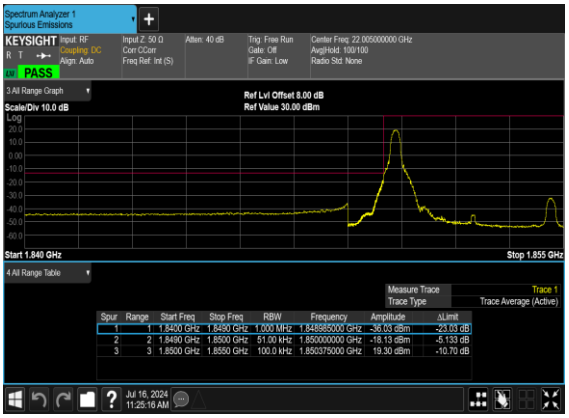
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---|---|---|---|---|---|---|---|---|
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM BPSK | 25@0 | see graph | **PASS** |
| **25** | 15 | 5 | 370500 | 1852.5 | DFT-s-OFDM QPSK | 25@0 | see graph | **PASS** |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM BPSK | 1@24 | see graph | **PASS** |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM QPSK | 1@24 | see graph | **PASS** |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM BPSK | 25@0 | see graph | **PASS** |
| **25** | 15 | 5 | 382500 | 1912.5 | DFT-s-OFDM QPSK | 25@0 | see graph | **PASS** |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM BPSK | 100@0 | see graph | **PASS** |
| **25** | 15 | 20 | 372000 | 1860.0 | DFT-s-OFDM QPSK | 100@0 | see graph | **PASS** |
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM BPSK | 1@105 | see graph | **PASS** |
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM QPSK | 1@105 | see graph | **PASS** |
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM BPSK | 100@0 | see graph | **PASS** |
| **25** | 15 | 20 | 381000 | 1905.0 | DFT-s-OFDM QPSK | 100@0 | see graph | **PASS** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM BPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM QPSK | 1@0 | see graph | **PASS** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM BPSK | 216@0 | see graph | **PASS** |
| **25** | 15 | 40 | 374000 | 1870.0 | DFT-s-OFDM QPSK | 216@0 | see graph | **PASS** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM BPSK | 1@215 | see graph | **PASS** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM QPSK | 1@215 | see graph | **PASS** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM BPSK | 216@0 | see graph | **PASS** |
| **25** | 15 | 40 | 379000 | 1895.0 | DFT-s-OFDM QPSK | 216@0 | see graph | **PASS** |

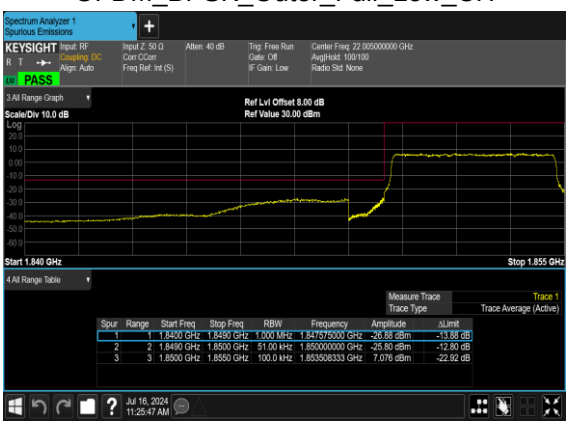
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



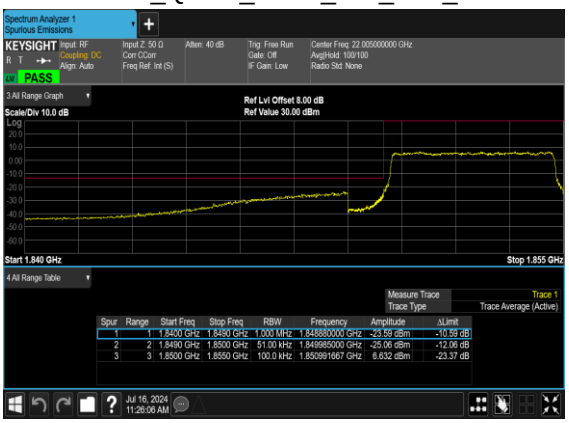

N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



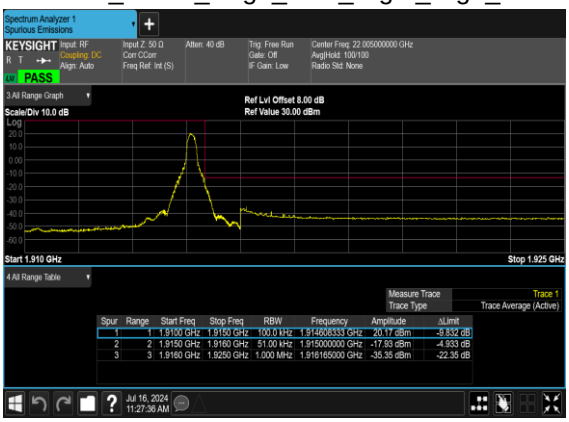

N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



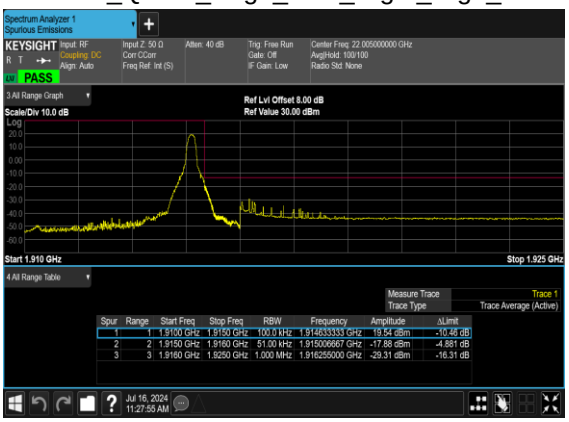

N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



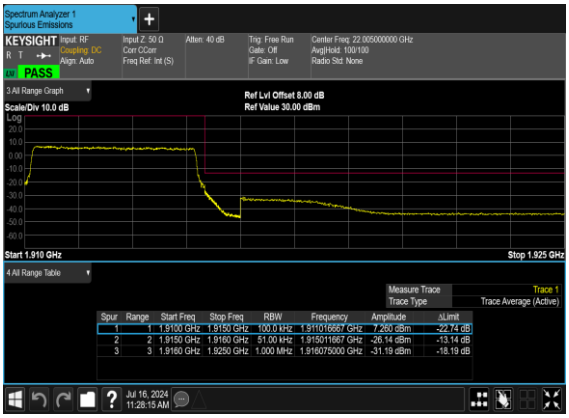

N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



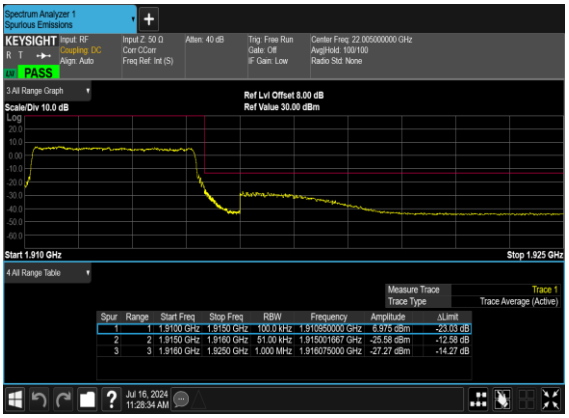

N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



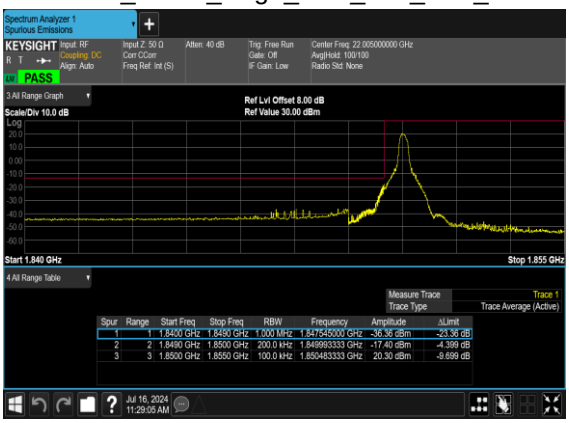
N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



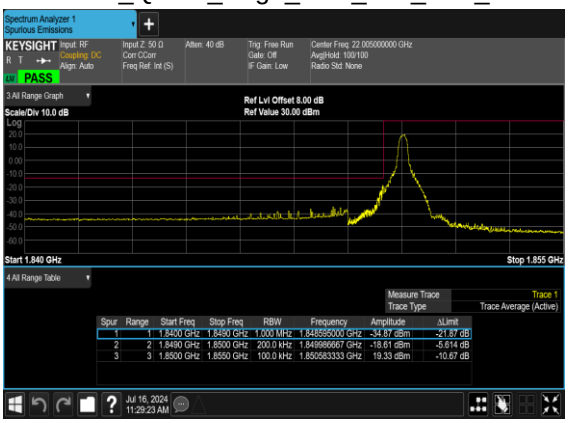

N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



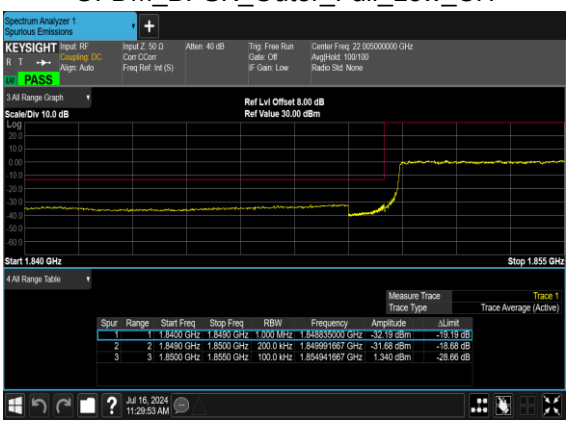

N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



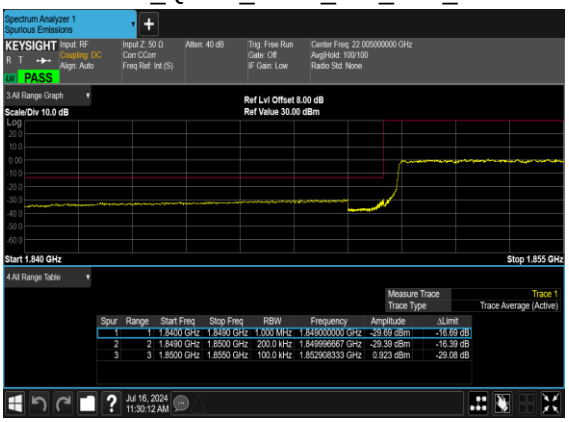

N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



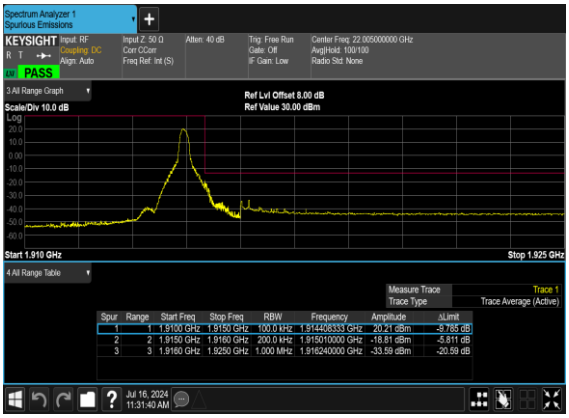

N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



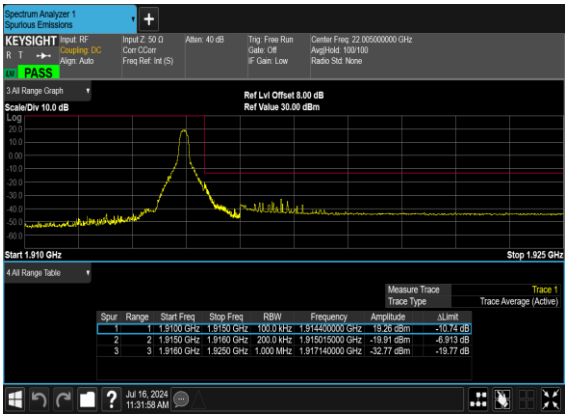

N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



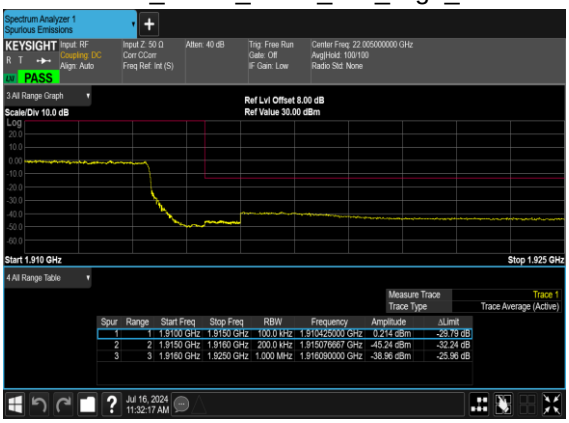
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



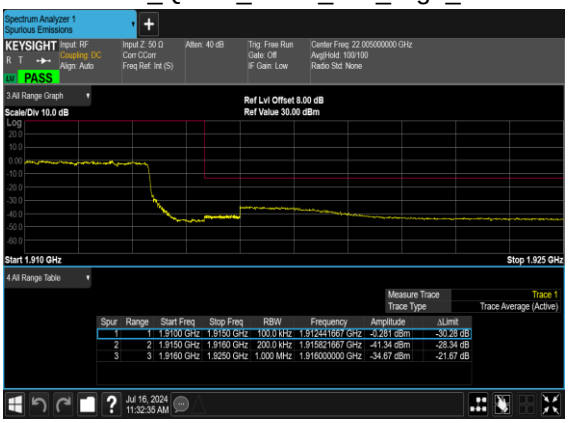

N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



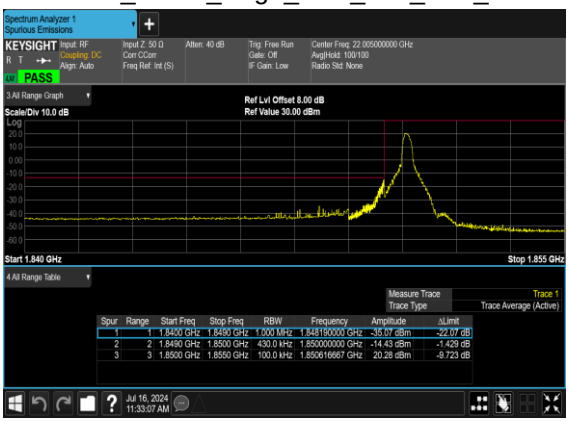

N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH




N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH




N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

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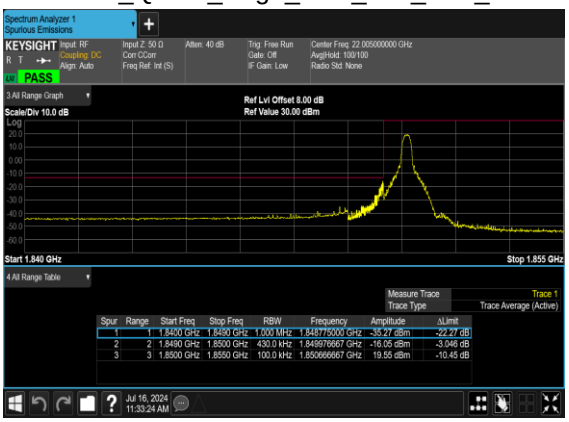

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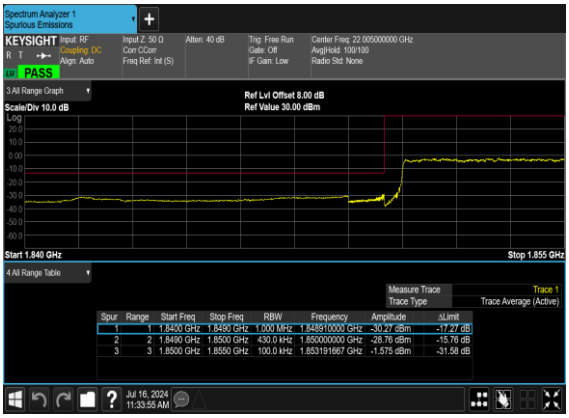
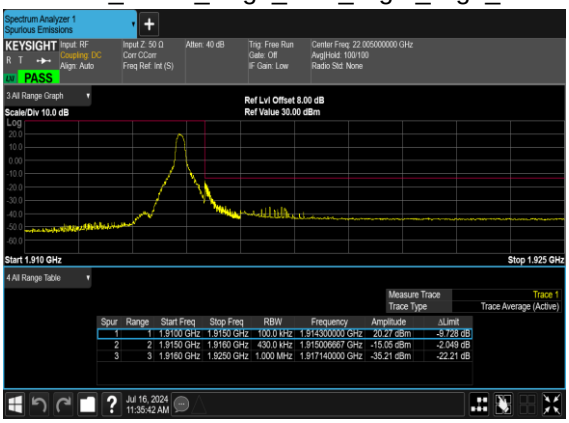
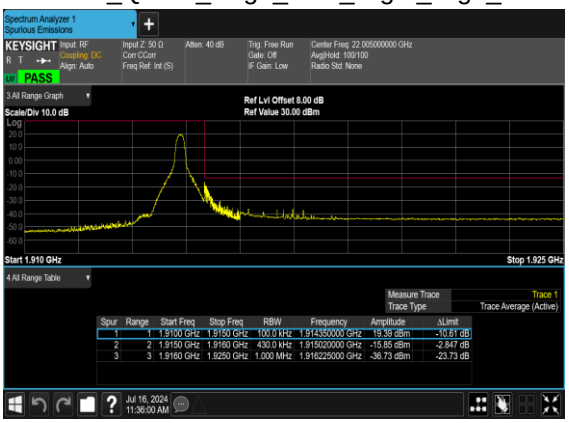


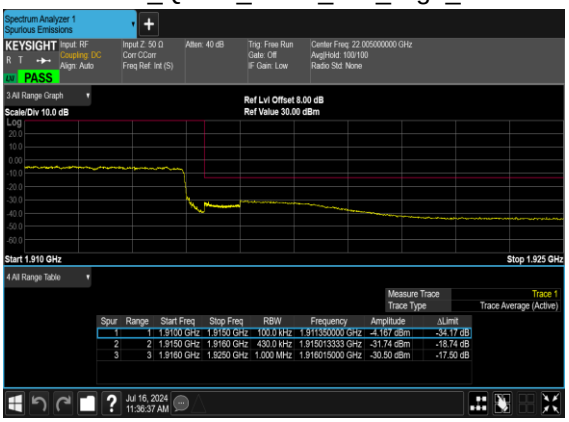

N25(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH




N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH




N25(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

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