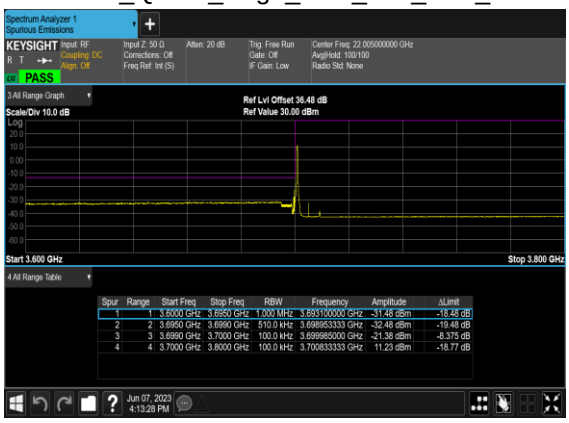
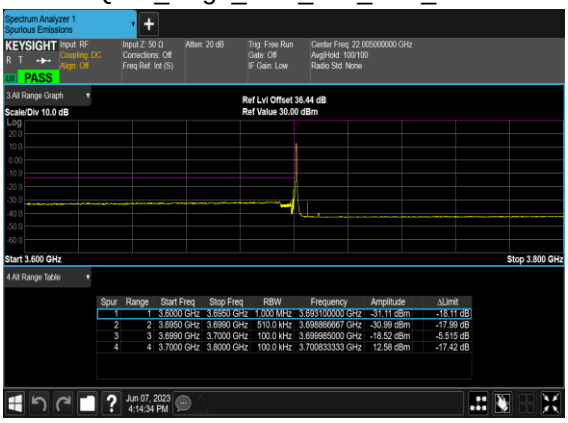
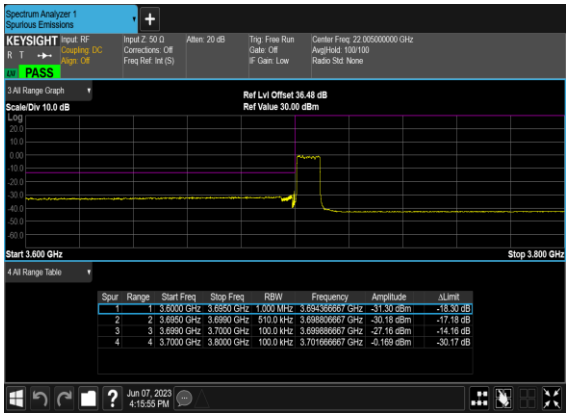
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



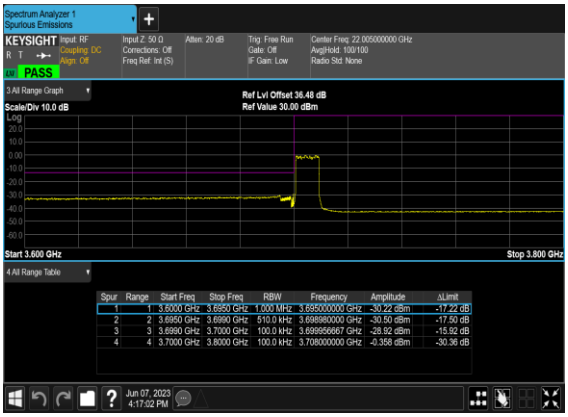

N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



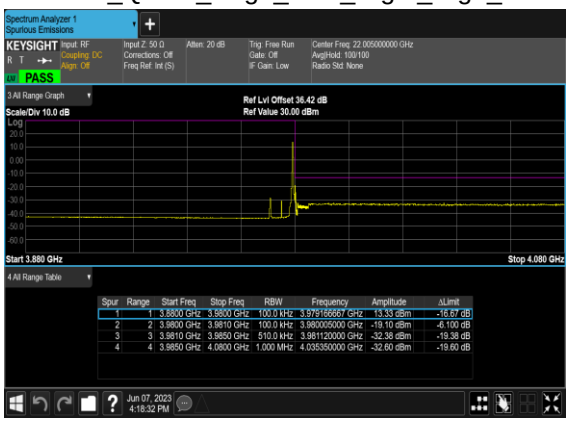

N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



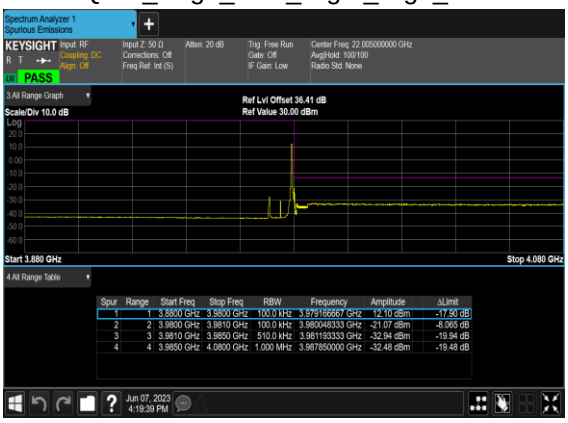

N77(10M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



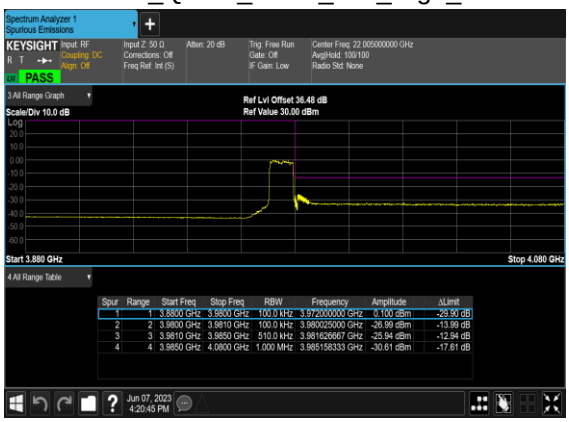

N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH




N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Right_High_CH

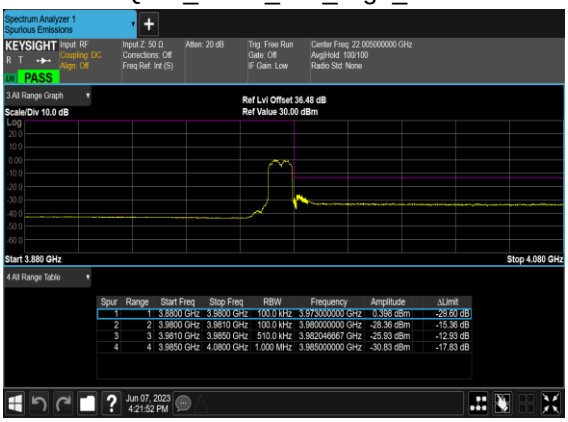


N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



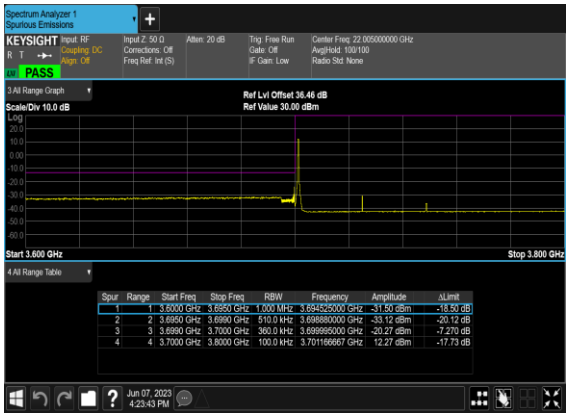

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | ΔLimit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 3.8800 GHz | 3.9800 GHz | 100.0 kHz | 3.972000000 GHz | 0.100 dBm | -29.90 dB |
| 2 | 2 | 3.9800 GHz | 3.9810 GHz | 100.0 kHz | 3.980025000 GHz | -26.99 dBm | -13.99 dB |
| 3 | 3 | 3.9810 GHz | 3.9850 GHz | 510.0 kHz | 3.981626667 GHz | -25.94 dBm | -12.94 dB |
| 4 | 4 | 3.9850 GHz | 4.0800 GHz | 1.000 MHz | 3.985158333 GHz | -30.61 dBm | -17.61 dB |

N77(10M)_CP-OFDM_16 QAM_Outer_Full_High_CH



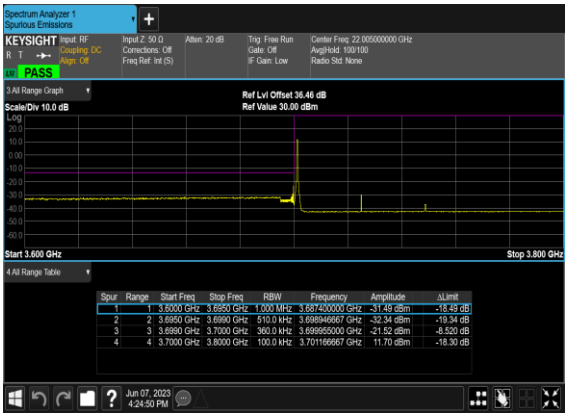

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | ΔLimit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 3.8800 GHz | 3.9800 GHz | 100.0 kHz | 3.973000000 GHz | 0.386 dBm | -29.60 dB |
| 2 | 2 | 3.9800 GHz | 3.9810 GHz | 100.0 kHz | 3.980000000 GHz | -28.36 dBm | -15.36 dB |
| 3 | 3 | 3.9810 GHz | 3.9850 GHz | 510.0 kHz | 3.982046667 GHz | -25.83 dBm | -12.93 dB |
| 4 | 4 | 3.9850 GHz | 4.0800 GHz | 1.000 MHz | 3.985000000 GHz | -30.83 dBm | -17.83 dB |

N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



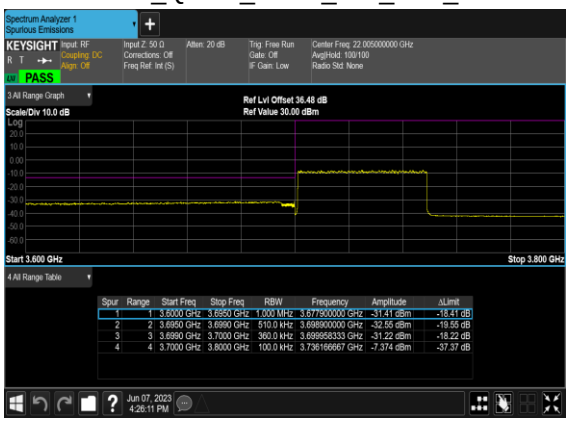

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | ΔLimit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 3.6000 GHz | 3.6950 GHz | 1.000 MHz | 3.694525000 GHz | -31.50 dBm | -18.50 dB |
| 2 | 2 | 3.6950 GHz | 3.6990 GHz | 510.0 kHz | 3.698880000 GHz | -33.12 dBm | -20.12 dB |
| 3 | 3 | 3.6990 GHz | 3.7000 GHz | 360.0 kHz | 3.699995000 GHz | -20.27 dBm | -7.270 dB |
| 4 | 4 | 3.7000 GHz | 3.8000 GHz | 100.0 kHz | 3.701166667 GHz | 12.27 dBm | -17.73 dB |

N77(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



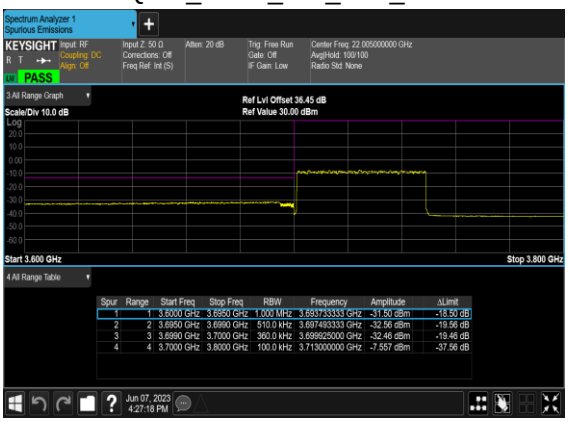

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | ΔLimit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 3.6000 GHz | 3.6950 GHz | 1.000 MHz | 3.687400000 GHz | -31.48 dBm | -18.48 dB |
| 2 | 2 | 3.6950 GHz | 3.6990 GHz | 510.0 kHz | 3.698946667 GHz | -32.34 dBm | -19.34 dB |
| 3 | 3 | 3.6990 GHz | 3.7000 GHz | 360.0 kHz | 3.699955000 GHz | -21.52 dBm | -8.520 dB |
| 4 | 4 | 3.7000 GHz | 3.8000 GHz | 100.0 kHz | 3.701166667 GHz | 11.70 dBm | -18.30 dB |

N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



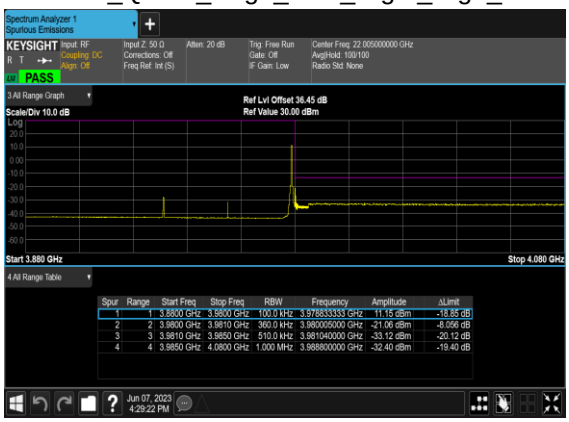

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | ΔLimit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 3.6000 GHz | 3.6950 GHz | 1.000 MHz | 3.677900000 GHz | -31.41 dBm | -18.41 dB |
| 2 | 2 | 3.6950 GHz | 3.6990 GHz | 510.0 kHz | 3.698900000 GHz | -32.55 dBm | -19.55 dB |
| 3 | 3 | 3.6990 GHz | 3.7000 GHz | 360.0 kHz | 3.699958333 GHz | -31.22 dBm | -18.22 dB |
| 4 | 4 | 3.7000 GHz | 3.8000 GHz | 100.0 kHz | 3.736166667 GHz | -7.374 dBm | -37.37 dB |

N77(50M)_CP-OFDM_16 QAM_Outer_Full_Low_CH

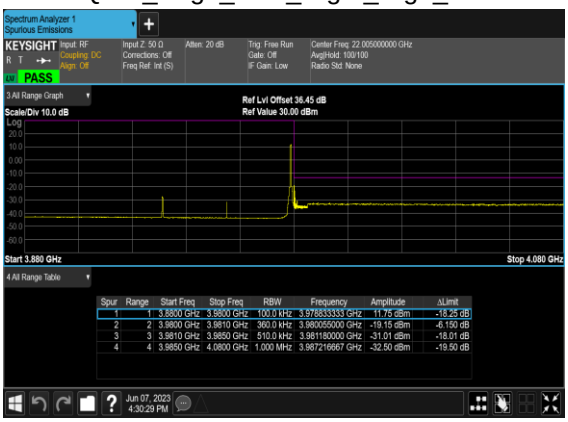



| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | ΔLimit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 3.6000 GHz | 3.6950 GHz | 1.000 MHz | 3.693733333 GHz | -31.50 dBm | -18.50 dB |
| 2 | 2 | 3.6950 GHz | 3.6990 GHz | 510.0 kHz | 3.697493333 GHz | -32.56 dBm | -19.56 dB |
| 3 | 3 | 3.6990 GHz | 3.7000 GHz | 360.0 kHz | 3.699925000 GHz | -32.46 dBm | -19.46 dB |
| 4 | 4 | 3.7000 GHz | 3.8000 GHz | 100.0 kHz | 3.713000000 GHz | -7.557 dBm | -37.56 dB |

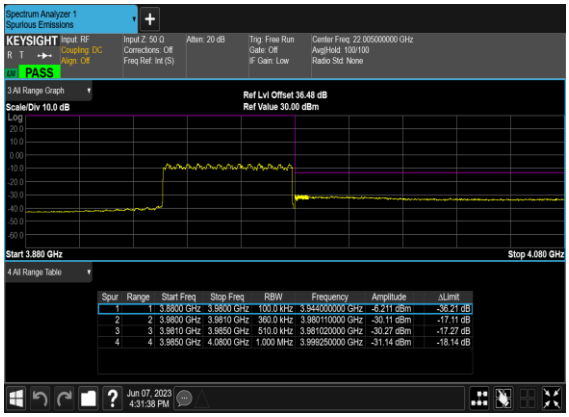
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



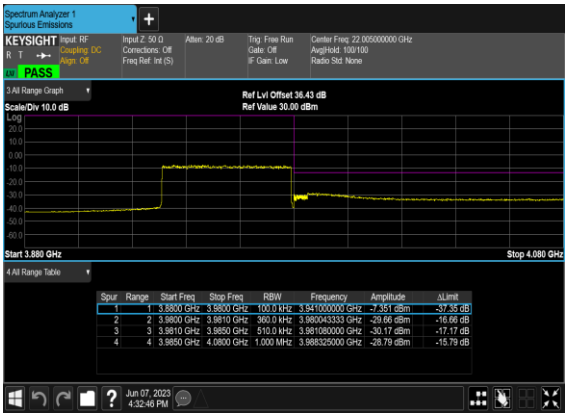

N77(50M)_CP-OFDM_16 QAM_Edge_1RB_Right_High_CH



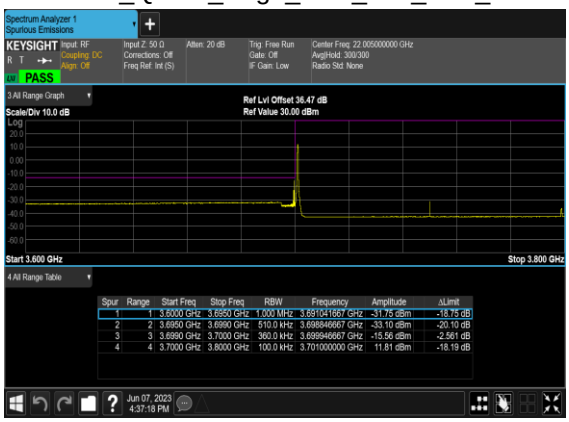

N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



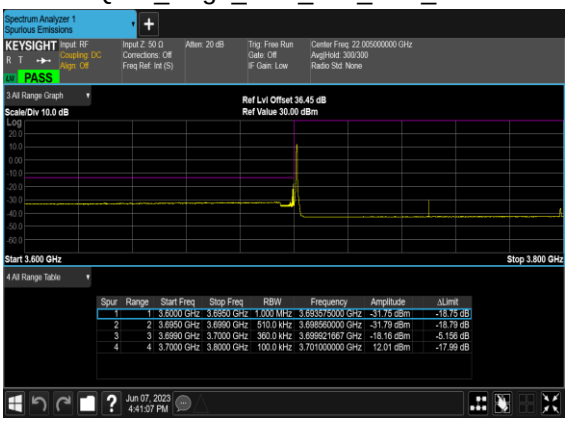

N77(50M)_CP-OFDM_16 QAM_Outer_Full_High_CH



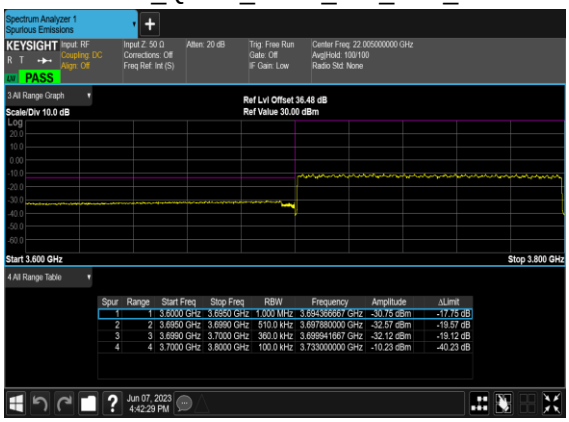

N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



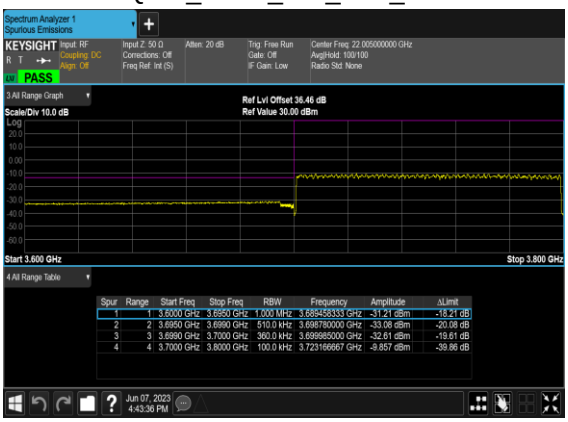

N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



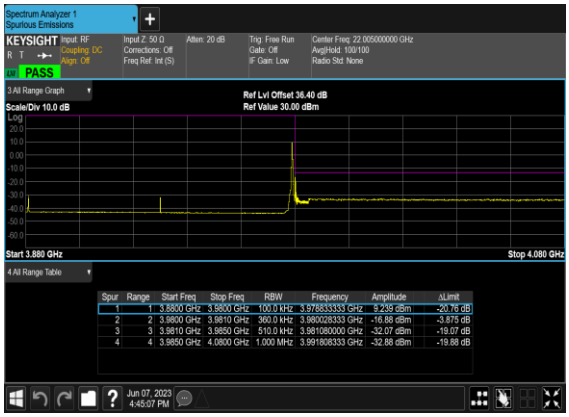
N77(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH



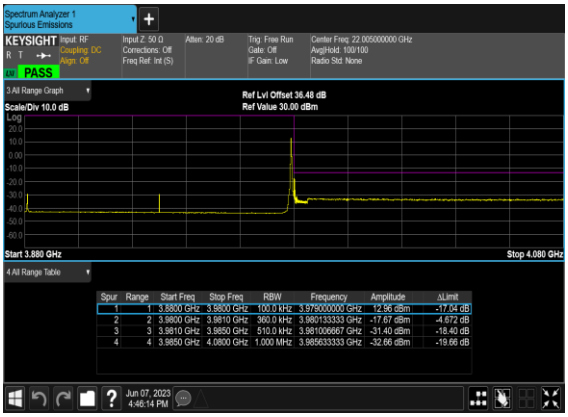

N77(100M)_CP-OFDM_16QAM_Outer_Full_Low_CH



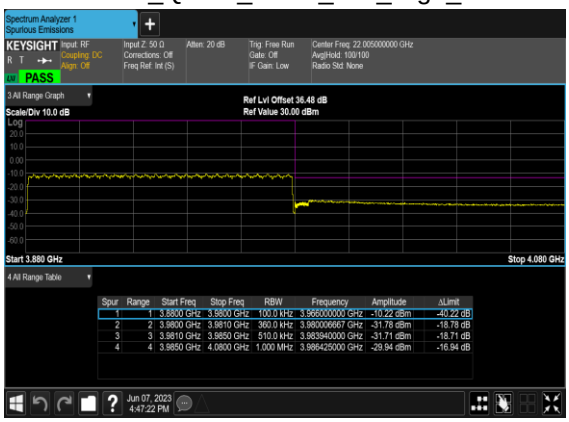

N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



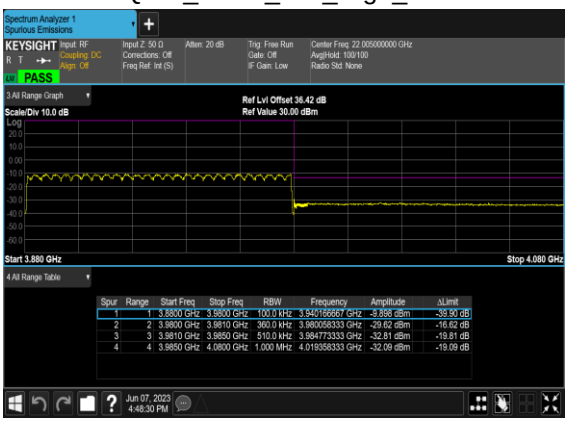

N77(100M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH




N77(100M)_CP-OFDM_QPSK_Outer_Full_High_CH




N77(100M)_CP-OFDM_16QAM_Outer_Full_High_CH



# FR1 N78 MIMO(Ant3+2)

## Transmitter Conducted Output Power And EIRP, ($G_T$ - $L_C$)=-2.4dB

| NR Band | SCS | Band Width | Arfcn | Freq(MHz) | Modulation | RB | ANT3 Power(dBm) | ANT1 Power(dBm) | Conducted Power(dBm) | EIRP(dBm) | EIRP(W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 30 | 10 | 647000 | 3705 | CP-OFDM QPSK | 1@1 | 19.35 | 20.22 | 22.81 | 20.41 | 0.1099 |
| 78 | 30 | 10 | 647000 | 3705 | CP-OFDM 16 QAM | 1@1 | 19.39 | 19.38 | 22.42 | 20.02 | 0.1005 |
| 78 | 30 | 10 | 647000 | 3705 | CP-OFDM 64 QAM | 1@1 | 18.44 | 18.5 | 21.49 | 19.09 | 0.0811 |
| 78 | 30 | 10 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.67 | 19.68 | 22.71 | 20.31 | 0.1074 |
| 78 | 30 | 10 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.77 | 19.38 | 22.58 | 20.18 | 0.1042 |
| 78 | 30 | 10 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.82 | 18.42 | 21.65 | 19.25 | 0.0841 |
| 78 | 30 | 10 | 653000 | 3795 | CP-OFDM QPSK | 1@1 | 19.53 | 19.51 | 22.52 | 20.12 | 0.1028 |
| 78 | 30 | 10 | 653000 | 3795 | CP-OFDM 16 QAM | 1@1 | 19.62 | 19.24 | 22.43 | 20.03 | 0.1007 |
| 78 | 30 | 10 | 653000 | 3795 | CP-OFDM 64 QAM | 1@1 | 18.71 | 18.38 | 21.53 | 19.13 | 0.0818 |
| 78 | 30 | 15 | 647168 | 3707.52 | CP-OFDM QPSK | 1@1 | 19.45 | 19.84 | 22.64 | 20.24 | 0.1057 |
| 78 | 30 | 15 | 647168 | 3707.52 | CP-OFDM 16 QAM | 1@1 | 19.53 | 19.71 | 22.64 | 20.24 | 0.1057 |
| 78 | 30 | 15 | 647168 | 3707.52 | CP-OFDM 64 QAM | 1@1 | 18.57 | 18.67 | 21.63 | 19.23 | 0.0838 |
| 78 | 30 | 15 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.86 | 19.76 | 22.8 | 20.4 | 0.1096 |
| 78 | 30 | 15 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.95 | 19.73 | 22.9 | 20.5 | 0.1122 |
| 78 | 30 | 15 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.98 | 18.6 | 21.81 | 19.41 | 0.0873 |
| 78 | 30 | 15 | 652832 | 3792.48 | CP-OFDM QPSK | 1@1 | 19.72 | 19.57 | 22.65 | 20.25 | 0.1059 |
| 78 | 30 | 15 | 652832 | 3792.48 | CP-OFDM 16 QAM | 1@1 | 19.82 | 19.56 | 22.72 | 20.32 | 0.1076 |
| 78 | 30 | 15 | 652832 | 3792.48 | CP-OFDM 64 QAM | 1@1 | 18.83 | 18.47 | 21.67 | 19.27 | 0.0845 |
| 78 | 30 | 20 | 647334 | 3710.01 | CP-OFDM QPSK | 1@1 | 19.34 | 19.84 | 22.61 | 20.21 | 0.1050 |
| 78 | 30 | 20 | 647334 | 3710.01 | CP-OFDM 16 QAM | 1@1 | 19.53 | 19.58 | 22.57 | 20.17 | 0.1040 |
| 78 | 30 | 20 | 647334 | 3710.01 | CP-OFDM 64 QAM | 1@1 | 18.5 | 18.64 | 21.58 | 19.18 | 0.0828 |
| 78 | 30 | 20 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.81 | 19.77 | 22.79 | 20.39 | 0.1094 |
| 78 | 30 | 20 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.97 | 19.74 | 22.83 | 20.43 | 0.1104 |
| 78 | 30 | 20 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.86 | 18.63 | 21.75 | 19.35 | 0.0861 |
| 78 | 30 | 20 | 652666 | 3789.99 | CP-OFDM QPSK | 1@1 | 19.93 | 19.8 | 22.87 | 20.47 | 0.1114 |
| 78 | 30 | 20 | 652666 | 3789.99 | CP-OFDM 16 QAM | 1@1 | 19.78 | 19.53 | 22.68 | 20.28 | 0.1067 |
| 78 | 30 | 20 | 652666 | 3789.99 | CP-OFDM 64 QAM | 1@1 | 18.84 | 18.51 | 21.68 | 19.28 | 0.0847 |
| 78 | 30 | 30 | 647668 | 3715.02 | CP-OFDM QPSK | 1@1 | 19.51 | 20.02 | 22.78 | 20.38 | 0.1091 |
| 78 | 30 | 30 | 647668 | 3715.02 | CP-OFDM 16 QAM | 1@1 | 19.63 | 19.76 | 22.7 | 20.3 | 0.1072 |
| 78 | 30 | 30 | 647668 | 3715.02 | CP-OFDM 64 QAM | 1@1 | 18.72 | 18.82 | 21.8 | 19.4 | 0.0871 |
| 78 | 30 | 30 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 20 | 19.93 | 22.97 | 20.57 | 0.1140 |
| 78 | 30 | 30 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 20.13 | 19.82 | 23.01 | 20.61 | 0.1151 |
| 78 | 30 | 30 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 19.1 | 18.82 | 21.98 | 19.58 | 0.0908 |
| 78 | 30 | 30 | 652332 | 3784.98 | CP-OFDM QPSK | 1@1 | 19.91 | 19.76 | 22.84 | 20.44 | 0.1107 |
| 78 | 30 | 30 | 652332 | 3784.98 | CP-OFDM 16 QAM | 1@1 | 20.09 | 19.56 | 22.86 | 20.46 | 0.1112 |
| 78 | 30 | 30 | 652332 | 3784.98 | CP-OFDM 64 QAM | 1@1 | 19.05 | 18.65 | 21.84 | 19.44 | 0.0879 |
| 78 | 30 | 40 | 648000 | 3720 | CP-OFDM QPSK | 1@1 | 19.7 | 20.09 | 22.89 | 20.49 | 0.1119 |
| 78 | 30 | 40 | 648000 | 3720 | CP-OFDM 16 QAM | 1@1 | 19.78 | 20.04 | 22.9 | 20.5 | 0.1122 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 30 | 40 | 648000 | 3720 | CP-OFDM 64 QAM | 1@1 | 18.77 | 18.89 | 21.85 | 19.45 | 0.0881 |
| 78 | 30 | 40 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 20.08 | 20.03 | 23.04 | 20.64 | 0.1159 |
| 78 | 30 | 40 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 20.1 | 19.9 | 23.07 | 20.67 | 0.1167 |
| 78 | 30 | 40 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 19.12 | 18.85 | 22.02 | 19.62 | 0.0916 |
| 78 | 30 | 40 | 652000 | 3780 | CP-OFDM QPSK | 1@1 | 20.1 | 20.13 | 23.13 | 20.73 | 0.1183 |
| 78 | 30 | 40 | 652000 | 3780 | CP-OFDM 16 QAM | 1@1 | 19 | 20.31 | 22.71 | 20.31 | 0.1074 |
| 78 | 30 | 40 | 652000 | 3780 | CP-OFDM 64 QAM | 1@1 | 19.17 | 18.96 | 22.14 | 19.74 | 0.0942 |
| 78 | 30 | 50 | 648334 | 3725.01 | CP-OFDM QPSK | 1@1 | 19.3 | 19.76 | 22.51 | 20.11 | 0.1026 |
| 78 | 30 | 50 | 648334 | 3725.01 | CP-OFDM 16 QAM | 1@1 | 19.51 | 19.67 | 22.58 | 20.18 | 0.1042 |
| 78 | 30 | 50 | 648334 | 3725.01 | CP-OFDM 64 QAM | 1@1 | 18.49 | 18.63 | 21.58 | 19.18 | 0.0828 |
| 78 | 30 | 50 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.58 | 19.64 | 22.64 | 20.24 | 0.1057 |
| 78 | 30 | 50 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.71 | 19.59 | 22.62 | 20.22 | 0.1052 |
| 78 | 30 | 50 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.7 | 18.55 | 21.67 | 19.27 | 0.0845 |
| 78 | 30 | 50 | 651666 | 3774.99 | CP-OFDM QPSK | 1@1 | 19.6 | 19.81 | 22.7 | 20.3 | 0.1072 |
| 78 | 30 | 50 | 651666 | 3774.99 | CP-OFDM 16 QAM | 1@1 | 19.75 | 19.51 | 22.59 | 20.19 | 0.1045 |
| 78 | 30 | 50 | 651666 | 3774.99 | CP-OFDM 64 QAM | 1@1 | 18.8 | 18.57 | 21.69 | 19.29 | 0.0849 |
| 78 | 30 | 60 | 648668 | 3730.02 | CP-OFDM QPSK | 1@1 | 19.27 | 19.77 | 22.54 | 20.14 | 0.1033 |
| 78 | 30 | 60 | 648668 | 3730.02 | CP-OFDM 16 QAM | 1@1 | 19.39 | 19.51 | 22.42 | 20.02 | 0.1005 |
| 78 | 30 | 60 | 648668 | 3730.02 | CP-OFDM 64 QAM | 1@1 | 18.35 | 18.55 | 21.46 | 19.06 | 0.0805 |
| 78 | 30 | 60 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.49 | 19.66 | 22.63 | 20.23 | 0.1054 |
| 78 | 30 | 60 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.66 | 19.56 | 22.6 | 20.2 | 0.1047 |
| 78 | 30 | 60 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.71 | 18.74 | 21.8 | 19.4 | 0.0871 |
| 78 | 30 | 60 | 651332 | 3769.98 | CP-OFDM QPSK | 1@1 | 19.57 | 19.69 | 22.63 | 20.23 | 0.1054 |
| 78 | 30 | 60 | 651332 | 3769.98 | CP-OFDM 16 QAM | 1@1 | 19.7 | 19.49 | 22.55 | 20.15 | 0.1035 |
| 78 | 30 | 60 | 651332 | 3769.98 | CP-OFDM 64 QAM | 1@1 | 18.72 | 18.52 | 21.63 | 19.23 | 0.0838 |
| 78 | 30 | 70 | 649000 | 3735 | CP-OFDM QPSK | 1@1 | 19.28 | 19.66 | 22.51 | 20.11 | 0.1026 |
| 78 | 30 | 70 | 649000 | 3735 | CP-OFDM 16 QAM | 1@1 | 19.48 | 19.54 | 22.52 | 20.12 | 0.1028 |
| 78 | 30 | 70 | 649000 | 3735 | CP-OFDM 64 QAM | 1@1 | 18.43 | 18.55 | 21.51 | 19.11 | 0.0815 |
| 78 | 30 | 70 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.55 | 19.79 | 22.65 | 20.25 | 0.1059 |
| 78 | 30 | 70 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.62 | 19.67 | 22.65 | 20.25 | 0.1059 |
| 78 | 30 | 70 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.68 | 18.64 | 21.67 | 19.27 | 0.0845 |
| 78 | 30 | 70 | 651000 | 3765 | CP-OFDM QPSK | 1@1 | 19.46 | 19.73 | 22.64 | 20.24 | 0.1057 |
| 78 | 30 | 70 | 651000 | 3765 | CP-OFDM 16 QAM | 1@1 | 19.72 | 19.6 | 22.61 | 20.21 | 0.1050 |
| 78 | 30 | 70 | 651000 | 3765 | CP-OFDM 64 QAM | 1@1 | 18.72 | 18.53 | 21.63 | 19.23 | 0.0838 |
| 78 | 30 | 80 | 649334 | 3740.01 | CP-OFDM QPSK | 1@1 | 19.14 | 19.56 | 22.39 | 19.99 | 0.0998 |
| 78 | 30 | 80 | 649334 | 3740.01 | CP-OFDM 16 QAM | 1@1 | 19.29 | 19.22 | 22.31 | 19.91 | 0.0979 |
| 78 | 30 | 80 | 649334 | 3740.01 | CP-OFDM 64 QAM | 1@1 | 18.34 | 18.47 | 21.38 | 18.98 | 0.0791 |
| 78 | 30 | 80 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.38 | 19.71 | 22.56 | 20.16 | 0.1038 |
| 78 | 30 | 80 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.54 | 19.71 | 22.62 | 20.22 | 0.1052 |
| 78 | 30 | 80 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.49 | 18.64 | 21.54 | 19.14 | 0.0820 |
| 78 | 30 | 80 | 650666 | 3759.99 | CP-OFDM QPSK | 1@1 | 19.44 | 19.75 | 22.63 | 20.23 | 0.1054 |
| 78 | 30 | 80 | 650666 | 3759.99 | CP-OFDM 16 QAM | 1@1 | 19.63 | 19.51 | 22.57 | 20.17 | 0.1040 |
| 78 | 30 | 80 | 650666 | 3759.99 | CP-OFDM 64 QAM | 1@1 | 18.68 | 18.56 | 21.64 | 19.24 | 0.0839 |
| 78 | 30 | 90 | 649668 | 3745.02 | CP-OFDM QPSK | 1@1 | 19.23 | 19.64 | 22.47 | 20.07 | 0.1016 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 30 | 90 | 649668 | 3745.02 | CP-OFDM 16 QAM | 1@1 | 19.36 | 19.38 | 22.43 | 20.03 | 0.1007 |
| 78 | 30 | 90 | 649668 | 3745.02 | CP-OFDM 64 QAM | 1@1 | 18.37 | 18.54 | 21.44 | 19.04 | 0.0802 |
| 78 | 30 | 90 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.3 | 19.55 | 22.45 | 20.05 | 0.1012 |
| 78 | 30 | 90 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.34 | 19.4 | 22.4 | 20 | 0.1000 |
| 78 | 30 | 90 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.35 | 18.43 | 21.39 | 18.99 | 0.0793 |
| 78 | 30 | 90 | 650332 | 3754.98 | CP-OFDM QPSK | 1@1 | 19.24 | 19.67 | 22.51 | 20.11 | 0.1026 |
| 78 | 30 | 90 | 650332 | 3754.98 | CP-OFDM 16 QAM | 1@1 | 19.38 | 19.37 | 22.43 | 20.03 | 0.1007 |
| 78 | 30 | 90 | 650332 | 3754.98 | CP-OFDM 64 QAM | 1@1 | 18.44 | 18.53 | 21.46 | 19.06 | 0.0805 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 137@68 | 19.14 | 20.2 | 22.74 | 20.34 | 0.1081 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 20.19 | 19.98 | 23.14 | 20.74 | 0.1186 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 1@271 | 19 | 20.15 | 22.6 | 20.2 | 0.1047 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 16 QAM | 137@68 | 19.17 | 20.18 | 22.74 | 20.34 | 0.1081 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 16 QAM | 1@1 | 19.08 | 20.05 | 22.61 | 20.21 | 0.1050 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 16 QAM | 1@271 | 19.16 | 19.94 | 22.58 | 20.18 | 0.1042 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 64 QAM | 137@68 | 18.31 | 19.29 | 21.84 | 19.44 | 0.0879 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 64 QAM | 1@1 | 18.07 | 19.15 | 21.63 | 19.23 | 0.0838 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 64 QAM | 1@271 | 18.15 | 18.93 | 21.57 | 19.17 | 0.0826 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 256 QAM | 137@68 | 15.31 | 16.35 | 18.86 | 16.46 | 0.0443 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 256 QAM | 1@1 | 14.99 | 16.52 | 18.82 | 16.42 | 0.0439 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM 256 QAM | 1@271 | 14.99 | 16.31 | 18.75 | 16.35 | 0.0432 |

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | Carl Ni | 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.**

| n77 SA / NR 100MHz / QPSK(ANT3) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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) |
| Lowest | 7404 | -52.74 | -13 | -39.74 | -62.95 | 3.03 | 13.24 | H |
| | 11106 | -49.63 | -13 | -36.63 | -59.08 | 3.56 | 13.01 | H |
| | 14820 | -43.88 | -13 | -30.88 | -53.40 | 3.92 | 13.44 | H |
| | 7404 | -55.56 | -13 | -42.56 | -65.77 | 3.03 | 13.24 | V |
| | 11106 | -51.98 | -13 | -38.98 | -61.43 | 3.56 | 13.01 | V |
| | 14820 | -43.12 | -13 | -30.12 | -52.64 | 3.92 | 13.44 | V |
| Middle | 7584 | -53.29 | -13 | -40.29 | -63.50 | 3.03 | 13.24 | H |
| | 11388 | -53.43 | -13 | -40.43 | -62.88 | 3.56 | 13.01 | H |
| | 15180 | -45.25 | -13 | -32.25 | -54.77 | 3.92 | 13.44 | H |
| | 7584 | -57.23 | -13 | -44.23 | -67.44 | 3.03 | 13.24 | V |
| | 11388 | -53.32 | -13 | -40.32 | -62.77 | 3.56 | 13.01 | V |
| | 15180 | -44.75 | -13 | -31.75 | -54.27 | 3.92 | 13.44 | V |
| Highest | 7764 | -53.00 | -13 | -40.00 | -63.21 | 3.03 | 13.24 | H |
| | 11646 | -49.06 | -13 | -36.06 | -58.51 | 3.56 | 13.01 | H |
| | 15540 | -44.88 | -13 | -31.88 | -54.40 | 3.92 | 13.44 | H |
| | 7764 | -54.22 | -13 | -41.22 | -64.43 | 3.03 | 13.24 | V |
| | 11646 | -52.51 | -13 | -39.51 | -61.96 | 3.56 | 13.01 | V |
| | 15540 | -44.59 | -13 | -31.59 | -54.11 | 3.92 | 13.44 | V |

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

| EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(ANT2+3) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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) |
| Lowest | 7404 | -57.33 | -13 | -44.33 | -67.54 | 3.03 | 13.24 | H |
| | 11112 | -52.12 | -13 | -39.12 | -61.57 | 3.56 | 13.01 | H |
| | 14820 | -44.06 | -13 | -31.06 | -53.58 | 3.92 | 13.44 | H |
| | 7404 | -55.71 | -13 | -42.71 | -65.92 | 3.03 | 13.24 | V |
| | 11112 | -51.45 | -13 | -38.45 | -60.90 | 3.56 | 13.01 | V |
| | 14820 | -42.83 | -13 | -29.83 | -52.35 | 3.92 | 13.44 | V |
| Middle | 7584 | -52.19 | -13 | -39.19 | -62.40 | 3.03 | 13.24 | H |
| | 11376 | -48.03 | -13 | -35.03 | -57.48 | 3.56 | 13.01 | H |
| | 15180 | -44.63 | -13 | -31.63 | -54.15 | 3.92 | 13.44 | H |
| | 7584 | -54.23 | -13 | -41.23 | -64.44 | 3.03 | 13.24 | V |
| | 11376 | -51.14 | -13 | -38.14 | -60.59 | 3.56 | 13.01 | V |
| | 15180 | -44.70 | -13 | -31.70 | -54.22 | 3.92 | 13.44 | V |
| Highest | 7764 | -46.54 | -13 | -33.54 | -56.75 | 3.03 | 13.24 | H |
| | 11646 | -49.42 | -13 | -36.42 | -58.87 | 3.56 | 13.01 | H |
| | 15540 | -44.04 | -13 | -31.04 | -53.56 | 3.92 | 13.44 | H |
| | 7764 | -51.94 | -13 | -38.94 | -62.15 | 3.03 | 13.24 | V |
| | 11646 | -51.12 | -13 | -38.12 | -60.57 | 3.56 | 13.01 | V |
| | 15540 | -43.96 | -13 | -30.96 | -53.48 | 3.92 | 13.44 | V |

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

| n77 UL MIMO / NR 100+100MHz / QPSK(ANT3+2) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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) |
| Lowest | 7404 | -55.54 | -13 | -42.54 | -65.75 | 3.03 | 13.24 | H |
| | 11106 | -49.69 | -13 | -36.69 | -59.14 | 3.56 | 13.01 | H |
| | 14820 | -43.84 | -13 | -30.84 | -53.36 | 3.92 | 13.44 | H |
| | 7404 | -52.69 | -13 | -39.69 | -62.90 | 3.03 | 13.24 | V |
| | 11106 | -51.73 | -13 | -38.73 | -61.18 | 3.56 | 13.01 | V |
| | 14820 | -43.58 | -13 | -30.58 | -53.10 | 3.92 | 13.44 | V |
| Middle | 7584 | -54.33 | -13 | -41.33 | -64.54 | 3.03 | 13.24 | H |
| | 11376 | -47.87 | -13 | -34.87 | -57.32 | 3.56 | 13.01 | H |
| | 15180 | -44.77 | -13 | -31.77 | -54.29 | 3.92 | 13.44 | H |
| | 7590 | -57.92 | -13 | -44.92 | -68.13 | 3.03 | 13.24 | V |
| | 11376 | -50.17 | -13 | -37.17 | -59.62 | 3.56 | 13.01 | V |
| | 15180 | -44.64 | -13 | -31.64 | -54.16 | 3.92 | 13.44 | V |
| Highest | 7764 | -47.27 | -13 | -34.27 | -57.48 | 3.03 | 13.24 | H |
| | 11646 | -50.20 | -13 | -37.20 | -59.65 | 3.56 | 13.01 | H |
| | 15540 | -44.41 | -13 | -31.41 | -53.93 | 3.92 | 13.44 | H |
| | 7764 | -50.99 | -13 | -37.99 | -61.20 | 3.03 | 13.24 | V |
| | 11646 | -52.12 | -13 | -39.12 | -61.57 | 3.56 | 13.01 | V |
| | 15540 | -44.09 | -13 | -31.09 | -53.61 | 3.92 | 13.44 | V |

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