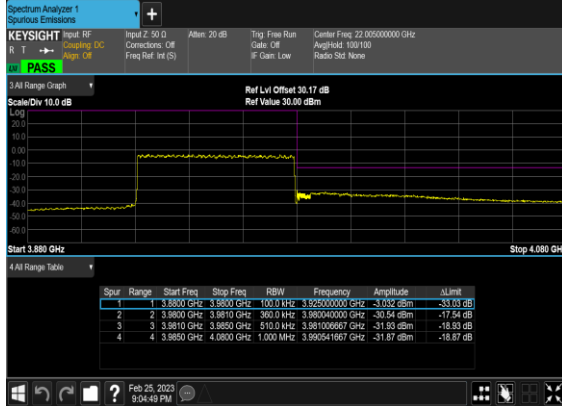


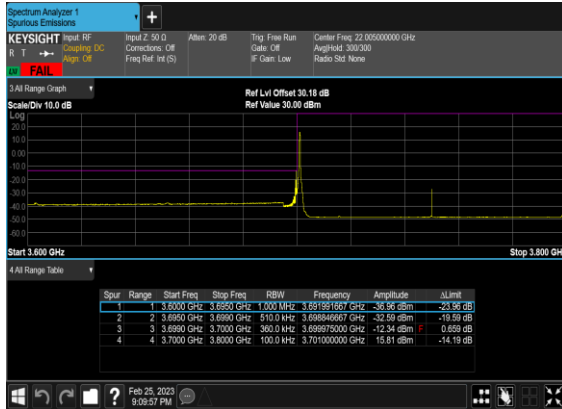
### N77(60M)\_CP-OFDM\_QPSK\_Outer\_Full\_High\_CH



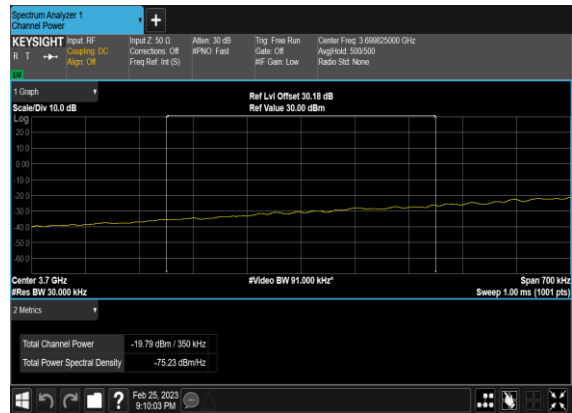
### N77(60M)\_CP-OFDM\_16QAM\_Outer\_Full\_High\_CH



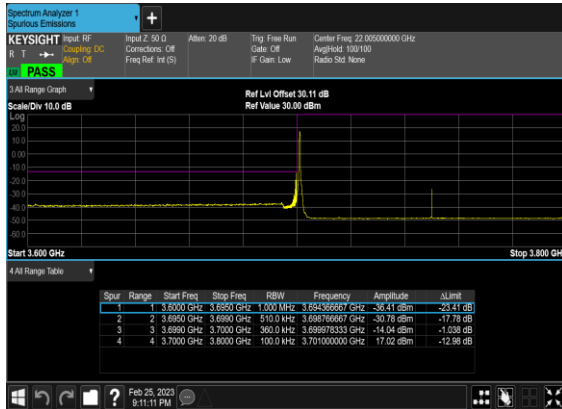
### N77(100M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



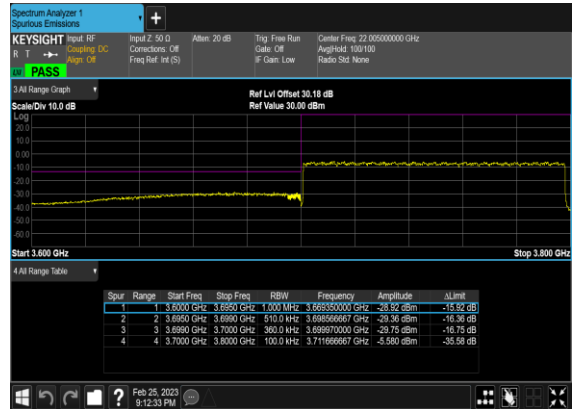
### N77(100M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



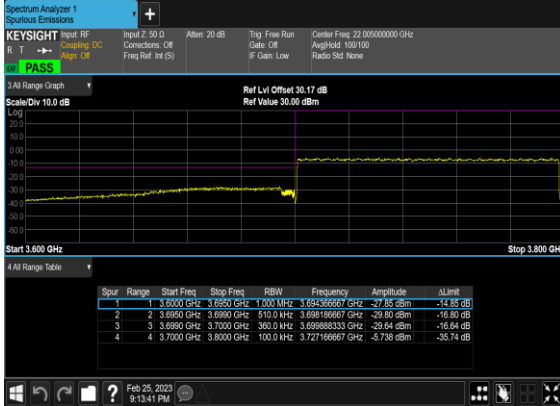
### N77(100M)\_CP-OFDM\_16QAM\_Edge\_1RB\_Left\_Low\_CH



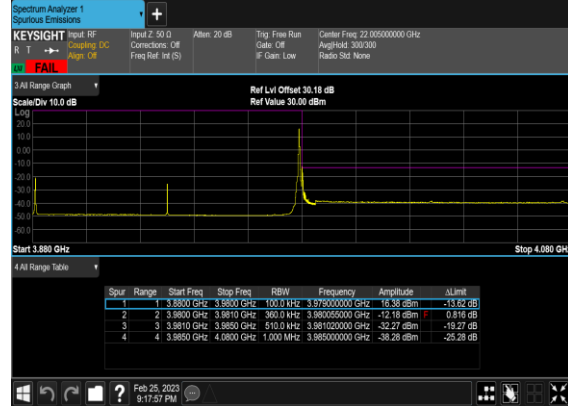
### N77(100M)\_CP-OFDM\_QPSK\_Outer\_Full\_Low\_CH



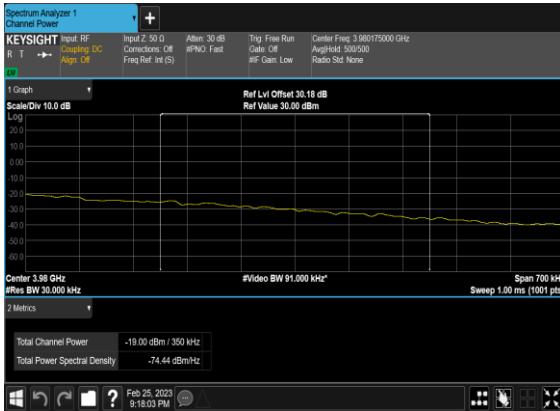
N77(100M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH



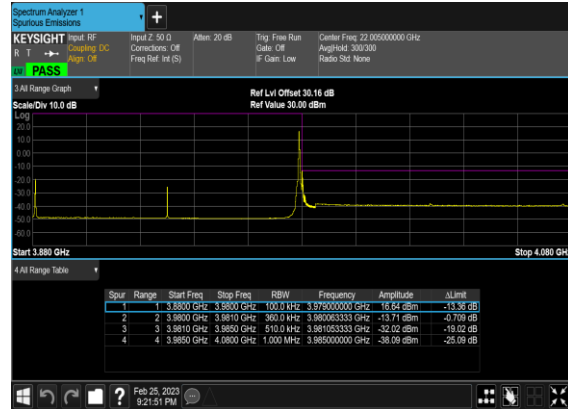
N77(100M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



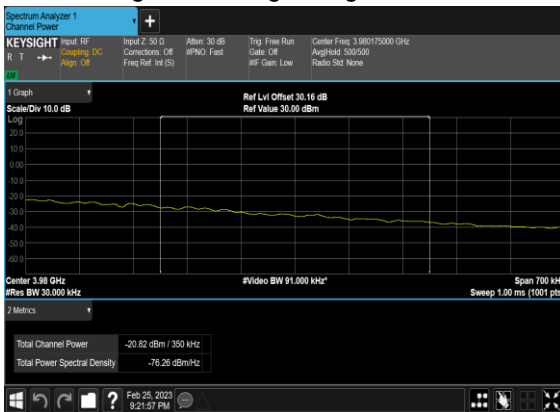
N77(100M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_ch  
P\_PASS



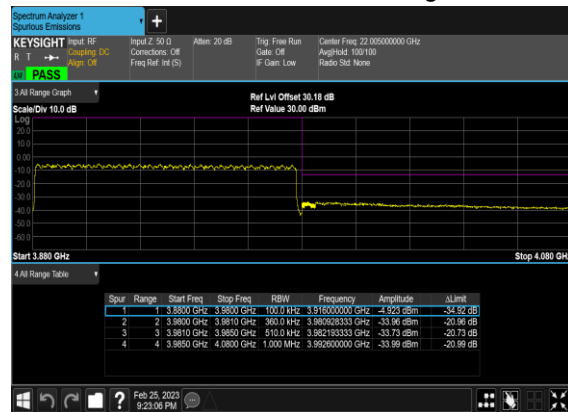
N77(100M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Right\_High\_CH



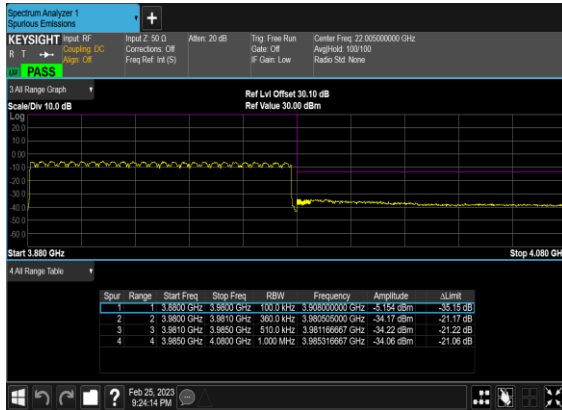
N77(100M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Right\_High\_CH\_ch\_P\_PASS



N77(100M)\_CP-OFDM\_QPSK\_Outer\_Full\_High\_CH



# N77(100M)\_CP-OFDM\_16 QAM\_Outer\_Full\_High\_CH



# FR1 N78 MIMO-(ANT5+ANT1)

## Transmitter Conducted Output Power and EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-1.07dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation     | RB  | ANT5 Power (dBm) | ANT1 Power (dBm) | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|----------------|-----|------------------|------------------|----------------------|------------|----------|
| 78      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK   | 1@1 | 22.37            | 21.52            | 25.03                | 23.96      | 0.2489   |
| 78      | 30        | 20              | 647334 | 3710.01    | CP-OFDM 16 QAM | 1@1 | 22.11            | 21.04            | 24.6                 | 23.53      | 0.2254   |
| 78      | 30        | 20              | 647334 | 3710.01    | CP-OFDM 64 QAM | 1@1 | 20.25            | 19.56            | 22.92                | 21.85      | 0.1531   |
| 78      | 30        | 20              | 650000 | 3750       | CP-OFDM QPSK   | 1@1 | 22.28            | 21.67            | 24.96                | 23.89      | 0.2449   |
| 78      | 30        | 20              | 650000 | 3750       | CP-OFDM 16 QAM | 1@1 | 21.96            | 21.19            | 24.58                | 23.51      | 0.2244   |
| 78      | 30        | 20              | 650000 | 3750       | CP-OFDM 64 QAM | 1@1 | 20.18            | 19.7             | 22.96                | 21.89      | 0.1545   |
| 78      | 30        | 20              | 652666 | 3789.99    | CP-OFDM QPSK   | 1@1 | 22.39            | 21.83            | 25.04                | 23.97      | 0.2495   |
| 78      | 30        | 20              | 652666 | 3789.99    | CP-OFDM 16 QAM | 1@1 | 22.12            | 21.17            | 24.67                | 23.6       | 0.2291   |
| 78      | 30        | 20              | 652666 | 3789.99    | CP-OFDM 64 QAM | 1@1 | 20.34            | 19.65            | 22.99                | 21.92      | 0.1556   |
| 78      | 30        | 30              | 647668 | 3715.02    | CP-OFDM QPSK   | 1@1 | 22.36            | 21.68            | 25.04                | 23.97      | 0.2495   |
| 78      | 30        | 30              | 647668 | 3715.02    | CP-OFDM 16 QAM | 1@1 | 22.03            | 21.12            | 24.6                 | 23.53      | 0.2254   |
| 78      | 30        | 30              | 647668 | 3715.02    | CP-OFDM 64 QAM | 1@1 | 20.18            | 19.67            | 22.95                | 21.88      | 0.1542   |
| 78      | 30        | 30              | 650000 | 3750       | CP-OFDM QPSK   | 1@1 | 22.41            | 21.67            | 25.07                | 24         | 0.2512   |
| 78      | 30        | 30              | 650000 | 3750       | CP-OFDM 16 QAM | 1@1 | 22.04            | 21.12            | 24.57                | 23.5       | 0.2239   |
| 78      | 30        | 30              | 650000 | 3750       | CP-OFDM 64 QAM | 1@1 | 20.21            | 19.6             | 22.95                | 21.88      | 0.1542   |
| 78      | 30        | 30              | 652332 | 3784.98    | CP-OFDM QPSK   | 1@1 | 22.45            | 21.63            | 25.08                | 24.01      | 0.2518   |
| 78      | 30        | 30              | 652332 | 3784.98    | CP-OFDM 16 QAM | 1@1 | 22.13            | 21.08            | 24.64                | 23.57      | 0.2275   |
| 78      | 30        | 30              | 652332 | 3784.98    | CP-OFDM 64 QAM | 1@1 | 20.3             | 19.63            | 23                   | 21.93      | 0.1560   |
| 78      | 30        | 40              | 648000 | 3720       | CP-OFDM QPSK   | 1@1 | 22.24            | 21.31            | 24.78                | 23.71      | 0.2350   |
| 78      | 30        | 40              | 648000 | 3720       | CP-OFDM 16 QAM | 1@1 | 22.11            | 21.22            | 24.71                | 23.64      | 0.2312   |
| 78      | 30        | 40              | 648000 | 3720       | CP-OFDM 64 QAM | 1@1 | 20.29            | 19.73            | 23.01                | 21.94      | 0.1563   |
| 78      | 30        | 40              | 650000 | 3750       | CP-OFDM QPSK   | 1@1 | 22.34            | 21.77            | 25.07                | 24         | 0.2512   |
| 78      | 30        | 40              | 650000 | 3750       | CP-OFDM 16 QAM | 1@1 | 22.19            | 21.17            | 24.7                 | 23.63      | 0.2307   |
| 78      | 30        | 40              | 650000 | 3750       | CP-OFDM 64 QAM | 1@1 | 20.36            | 19.67            | 23.02                | 21.95      | 0.1567   |
| 78      | 30        | 40              | 652000 | 3750       | CP-OFDM QPSK   | 1@1 | 22.44            | 21.75            | 25.04                | 23.97      | 0.2495   |
| 78      | 30        | 40              | 652000 | 3780       | CP-OFDM 16 QAM | 1@1 | 22.24            | 21.35            | 24.81                | 23.74      | 0.2366   |
| 78      | 30        | 40              | 652000 | 3780       | CP-OFDM 64 QAM | 1@1 | 20.46            | 19.88            | 23.19                | 22.12      | 0.1629   |
| 78      | 30        | 50              | 648334 | 3725.01    | CP-OFDM        | 1@1 | 22.18            | 21.43            | 24.85                | 23.78      | 0.2388   |

| QPSK |    |    |        |         |                |     |       |       |       |       |        |
|------|----|----|--------|---------|----------------|-----|-------|-------|-------|-------|--------|
| 78   | 30 | 50 | 648334 | 3725.01 | CP-OFDM 16 QAM | 1@1 | 21.87 | 20.9  | 24.4  | 23.33 | 0.2153 |
| 78   | 30 | 50 | 648334 | 3725.01 | CP-OFDM 64 QAM | 1@1 | 20.01 | 19.36 | 22.7  | 21.63 | 0.1455 |
| 78   | 30 | 50 | 650000 | 3750    | CP-OFDM QPSK   | 1@1 | 22.19 | 21.36 | 24.8  | 23.73 | 0.2360 |
| 78   | 30 | 50 | 650000 | 3750    | CP-OFDM 16 QAM | 1@1 | 21.81 | 20.86 | 24.36 | 23.29 | 0.2133 |
| 78   | 30 | 50 | 650000 | 3750    | CP-OFDM 64 QAM | 1@1 | 19.97 | 19.21 | 22.63 | 21.56 | 0.1432 |
| 78   | 30 | 50 | 651666 | 3774.99 | CP-OFDM QPSK   | 1@1 | 22.15 | 21.45 | 24.79 | 23.72 | 0.2355 |
| 78   | 30 | 50 | 651666 | 3774.99 | CP-OFDM 16 QAM | 1@1 | 21.79 | 21    | 24.38 | 23.31 | 0.2143 |
| 78   | 30 | 50 | 651666 | 3774.99 | CP-OFDM 64 QAM | 1@1 | 19.91 | 19.38 | 22.65 | 21.58 | 0.1439 |
| 78   | 30 | 60 | 648668 | 3730.02 | CP-OFDM QPSK   | 1@1 | 22.17 | 21.35 | 24.72 | 23.65 | 0.2317 |
| 78   | 30 | 60 | 648668 | 3730.02 | CP-OFDM 16 QAM | 1@1 | 21.75 | 20.89 | 24.35 | 23.28 | 0.2128 |
| 78   | 30 | 60 | 648668 | 3730.02 | CP-OFDM 64 QAM | 1@1 | 19.95 | 19.37 | 22.6  | 21.53 | 0.1422 |
| 78   | 30 | 60 | 650000 | 3750    | CP-OFDM QPSK   | 1@1 | 22.17 | 21.31 | 24.73 | 23.66 | 0.2323 |
| 78   | 30 | 60 | 650000 | 3750    | CP-OFDM 16 QAM | 1@1 | 21.86 | 20.67 | 24.37 | 23.3  | 0.2138 |
| 78   | 30 | 60 | 650000 | 3750    | CP-OFDM 64 QAM | 1@1 | 20.05 | 19.25 | 22.66 | 21.59 | 0.1442 |
| 78   | 30 | 60 | 651332 | 3769.98 | CP-OFDM QPSK   | 1@1 | 22.04 | 21.47 | 24.72 | 23.65 | 0.2317 |
| 78   | 30 | 60 | 651332 | 3769.98 | CP-OFDM 16 QAM | 1@1 | 21.7  | 20.87 | 24.31 | 23.24 | 0.2109 |
| 78   | 30 | 60 | 651332 | 3769.98 | CP-OFDM 64 QAM | 1@1 | 19.93 | 19.34 | 22.63 | 21.56 | 0.1432 |
| 78   | 30 | 70 | 649000 | 3735    | CP-OFDM QPSK   | 1@1 | 22.08 | 21.24 | 24.69 | 23.62 | 0.2301 |
| 78   | 30 | 70 | 649000 | 3735    | CP-OFDM 16 QAM | 1@1 | 21.76 | 20.72 | 24.2  | 23.13 | 0.2056 |
| 78   | 30 | 70 | 649000 | 3735    | CP-OFDM 64 QAM | 1@1 | 19.8  | 19.19 | 22.52 | 21.45 | 0.1396 |
| 78   | 30 | 70 | 650000 | 3750    | CP-OFDM QPSK   | 1@1 | 22.03 | 21.23 | 24.74 | 23.67 | 0.2328 |
| 78   | 30 | 70 | 650000 | 3750    | CP-OFDM 16 QAM | 1@1 | 21.82 | 20.49 | 24.21 | 23.14 | 0.2061 |
| 78   | 30 | 70 | 650000 | 3750    | CP-OFDM 64 QAM | 1@1 | 19.78 | 19.04 | 22.43 | 21.36 | 0.1368 |
| 78   | 30 | 70 | 651000 | 3765    | CP-OFDM QPSK   | 1@1 | 22.01 | 21.48 | 24.77 | 23.7  | 0.2344 |
| 78   | 30 | 70 | 651000 | 3765    | CP-OFDM 16 QAM | 1@1 | 21.72 | 20.77 | 24.27 | 23.2  | 0.2089 |
| 78   | 30 | 70 | 651000 | 3765    | CP-OFDM 64 QAM | 1@1 | 19.84 | 19.13 | 22.53 | 21.46 | 0.1400 |
| 78   | 30 | 80 | 649334 | 3740.01 | CP-OFDM QPSK   | 1@1 | 21.95 | 21.18 | 24.68 | 23.61 | 0.2296 |
| 78   | 30 | 80 | 649334 | 3740.01 | CP-OFDM 16 QAM | 1@1 | 21.64 | 20.68 | 24.21 | 23.14 | 0.2061 |
| 78   | 30 | 80 | 649334 | 3740.01 | CP-OFDM 64 QAM | 1@1 | 19.73 | 19.08 | 22.43 | 21.36 | 0.1368 |
| 78   | 30 | 80 | 650000 | 3750    | CP-OFDM QPSK   | 1@1 | 22.1  | 21.18 | 24.68 | 23.61 | 0.2296 |
| 78   | 30 | 80 | 650000 | 3750    | CP-OFDM 16 QAM | 1@1 | 21.61 | 20.66 | 24.25 | 23.18 | 0.2080 |
| 78   | 30 | 80 | 650000 | 3750    | CP-OFDM 64 QAM | 1@1 | 19.84 | 19.23 | 22.57 | 21.5  | 0.1413 |
| 78   | 30 | 80 | 650666 | 3750    | CP-OFDM QPSK   | 1@1 | 22.06 | 21.17 | 24.68 | 23.61 | 0.2296 |

|    |    |     |        |         |                    |        |       |       |       |       |        |
|----|----|-----|--------|---------|--------------------|--------|-------|-------|-------|-------|--------|
| 78 | 30 | 80  | 650666 | 3759.99 | CP-OFDM 16<br>QAM  | 1@1    | 21.7  | 20.65 | 24.22 | 23.15 | 0.2065 |
| 78 | 30 | 80  | 650666 | 3759.99 | CP-OFDM 64<br>QAM  | 1@1    | 19.85 | 19.01 | 22.46 | 21.39 | 0.1377 |
| 78 | 30 | 90  | 649668 | 3745.02 | CP-OFDM<br>QPSK    | 1@1    | 22.03 | 21.21 | 24.68 | 23.61 | 0.2296 |
| 78 | 30 | 90  | 649668 | 3745.02 | CP-OFDM 16<br>QAM  | 1@1    | 21.65 | 20.62 | 24.16 | 23.09 | 0.2037 |
| 78 | 30 | 90  | 649668 | 3745.02 | CP-OFDM 64<br>QAM  | 1@1    | 19.89 | 19.18 | 22.57 | 21.5  | 0.1413 |
| 78 | 30 | 90  | 650000 | 3750    | CP-OFDM<br>QPSK    | 1@1    | 22.01 | 21.19 | 24.54 | 23.47 | 0.2223 |
| 78 | 30 | 90  | 650000 | 3750    | CP-OFDM 16<br>QAM  | 1@1    | 21.6  | 20.55 | 24.14 | 23.07 | 0.2028 |
| 78 | 30 | 90  | 650000 | 3750    | CP-OFDM 64<br>QAM  | 1@1    | 19.77 | 19.03 | 22.4  | 21.33 | 0.1358 |
| 78 | 30 | 90  | 650332 | 3754.98 | CP-OFDM<br>QPSK    | 1@1    | 22    | 21.18 | 24.57 | 23.5  | 0.2239 |
| 78 | 30 | 90  | 650332 | 3754.98 | CP-OFDM 16<br>QAM  | 1@1    | 21.51 | 20.78 | 24.17 | 23.1  | 0.2042 |
| 78 | 30 | 90  | 650332 | 3754.98 | CP-OFDM 64<br>QAM  | 1@1    | 19.82 | 19.13 | 22.49 | 21.42 | 0.1387 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM<br>QPSK    | 137@68 | 22.1  | 21.32 | 24.75 | 23.68 | 0.2333 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM<br>QPSK    | 1@1    | 22.44 | 21.71 | 25.1  | 24.03 | 0.2529 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM<br>QPSK    | 1@271  | 22.24 | 21.31 | 24.78 | 23.71 | 0.2350 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 16<br>QAM  | 137@68 | 21.65 | 20.93 | 24.29 | 23.22 | 0.2099 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 16<br>QAM  | 1@1    | 21.67 | 20.73 | 24.27 | 23.2  | 0.2089 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 16<br>QAM  | 1@271  | 21.9  | 20.8  | 24.32 | 23.25 | 0.2113 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 64<br>QAM  | 137@68 | 20.14 | 19.37 | 22.8  | 21.73 | 0.1489 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 64<br>QAM  | 1@1    | 19.92 | 19.21 | 22.62 | 21.55 | 0.1429 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 64<br>QAM  | 1@271  | 20.14 | 19.3  | 22.71 | 21.64 | 0.1459 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 256<br>QAM | 137@68 | 17.12 | 16.39 | 19.78 | 18.71 | 0.0743 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 256<br>QAM | 1@1    | 16.78 | 16.22 | 19.49 | 18.42 | 0.0695 |
| 78 | 30 | 100 | 650000 | 3750    | CP-OFDM 256<br>QAM | 1@271  | 16.95 | 16.31 | 19.67 | 18.6  | 0.0724 |



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

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

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

Sample 1 with Battery 1 :

| n77 SA / NR 100MHz / QPSK / ANT5 |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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              | -60.15       | -13           | -47.15            | -70.36             | 3.03                 | 13.24                 | H                  |
|                                  | 11106             | -59.62       | -13           | -46.62            | -69.07             | 3.56                 | 13.01                 | H                  |
|                                  | 14808             | -56.07       | -13           | -43.07            | -65.59             | 3.92                 | 13.44                 | H                  |
|                                  | 7404              | -58.55       | -13           | -45.55            | -68.76             | 3.03                 | 13.24                 | V                  |
|                                  | 11106             | -58.61       | -13           | -45.61            | -68.06             | 3.56                 | 13.01                 | V                  |
|                                  | 14808             | -53.63       | -13           | -40.63            | -63.15             | 3.92                 | 13.44                 | V                  |
| Middle                           | 7584              | -57.41       | -13           | -44.41            | -67.62             | 3.03                 | 13.24                 | H                  |
|                                  | 11376             | -56.20       | -13           | -43.20            | -65.65             | 3.56                 | 13.01                 | H                  |
|                                  | 15168             | -55.11       | -13           | -42.11            | -64.63             | 3.92                 | 13.44                 | H                  |
|                                  | 7584              | -58.33       | -13           | -45.33            | -68.54             | 3.03                 | 13.24                 | V                  |
|                                  | 11376             | -57.74       | -13           | -44.74            | -67.19             | 3.56                 | 13.01                 | V                  |
|                                  | 15168             | -52.10       | -13           | -39.10            | -61.62             | 3.92                 | 13.44                 | V                  |
| Highest                          | 7764              | -56.71       | -13           | -43.71            | -66.92             | 3.03                 | 13.24                 | H                  |
|                                  | 11646             | -55.17       | -13           | -42.17            | -64.62             | 3.56                 | 13.01                 | H                  |
|                                  | 15528             | -56.01       | -13           | -43.01            | -65.53             | 3.92                 | 13.44                 | H                  |
|                                  | 7764              | -55.73       | -13           | -42.73            | -65.94             | 3.03                 | 13.24                 | V                  |
|                                  | 11646             | -55.17       | -13           | -42.17            | -64.62             | 3.56                 | 13.01                 | V                  |
|                                  | 15528             | -55.32       | -13           | -42.32            | -64.84             | 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(LTE) & ANT5(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) |
| Lowest   | 7404              | -60.99       | -13           | -47.99            | -71.20             | 3.03                 | 13.24                 | H                  |
|  | 11112             | -59.54       | -13           | -46.54            | -68.99             | 3.56                 | 13.01                 | H                  |
|  | 14808             | -57.46       | -13           | -44.46            | -66.98             | 3.92                 | 13.44                 | H                  |
|  | 7404              | -59.11       | -13           | -46.11            | -69.32             | 3.03                 | 13.24                 | V                  |
|  | 11112             | -60.10       | -13           | -47.10            | -69.55             | 3.56                 | 13.01                 | V                  |
|  | 14808             | -54.72       | -13           | -41.72            | -64.24             | 3.92                 | 13.44                 | V                  |
| Middle   | 7584              | -60.82       | -13           | -47.82            | -71.03             | 3.03                 | 13.24                 | H                  |
|  | 11376             | -58.06       | -13           | -45.06            | -67.51             | 3.56                 | 13.01                 | H                  |
|  | 15168             | -57.12       | -13           | -44.12            | -66.64             | 3.92                 | 13.44                 | H                  |
|  | 7584              | -59.99       | -13           | -46.99            | -70.20             | 3.03                 | 13.24                 | V                  |
|  | 11376             | -58.72       | -13           | -45.72            | -68.17             | 3.56                 | 13.01                 | V                  |
|  | 15168             | -55.44       | -13           | -42.44            | -64.96             | 3.92                 | 13.44                 | V                  |
| Highest  | 7764              | -57.92       | -13           | -44.92            | -68.13             | 3.03                 | 13.24                 | H                  |
|  | 11646             | -56.56       | -13           | -43.56            | -66.01             | 3.56                 | 13.01                 | H                  |
|  | 15540             | -58.02       | -13           | -45.02            | -67.54             | 3.92                 | 13.44                 | H                  |
|  | 7764              | -56.70       | -13           | -43.70            | -66.91             | 3.03                 | 13.24                 | V                  |
|  | 11646             | -55.13       | -13           | -42.13            | -64.58             | 3.56                 | 13.01                 | V                  |
|  | 15540             | -57.97       | -13           | -44.97            | -67.49             | 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 / ANT5+1 |                   |              |               |                   |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                      | 7410              | -61.95       | -13           | -48.95            | -72.16             | 3.03                 | 13.24                 | H                  |
|   | 11112             | -60.42       | -13           | -47.42            | -69.87             | 3.56                 | 13.01                 | H                  |
|   | 14808             | -57.88       | -13           | -44.88            | -67.40             | 3.92                 | 13.44                 | H                  |
|   | 7410              | -61.54       | -13           | -48.54            | -71.75             | 3.03                 | 13.24                 | V                  |
|   | 11112             | -59.68       | -13           | -46.68            | -69.13             | 3.56                 | 13.01                 | V                  |
|   | 14808             | -54.64       | -13           | -41.64            | -64.16             | 3.92                 | 13.44                 | V                  |
| Middle                                      | 7584              | -60.55       | -13           | -47.55            | -70.76             | 3.03                 | 13.24                 | H                  |
|   | 11376             | -58.77       | -13           | -45.77            | -68.22             | 3.56                 | 13.01                 | H                  |
|   | 15168             | -56.41       | -13           | -43.41            | -65.93             | 3.92                 | 13.44                 | H                  |
|   | 7584              | -61.53       | -13           | -48.53            | -71.74             | 3.03                 | 13.24                 | V                  |
|   | 11376             | -58.12       | -13           | -45.12            | -67.57             | 3.56                 | 13.01                 | V                  |
|   | 15168             | -55.58       | -13           | -42.58            | -65.10             | 3.92                 | 13.44                 | V                  |
| Highest                                     | 7764              | -58.35       | -13           | -45.35            | -68.56             | 3.03                 | 13.24                 | H                  |
|   | 11646             | -57.28       | -13           | -44.28            | -66.73             | 3.56                 | 13.01                 | H                  |
|   | 15540             | -57.88       | -13           | -44.88            | -67.40             | 3.92                 | 13.44                 | H                  |
|   | 7764              | -58.16       | -13           | -45.16            | -68.37             | 3.03                 | 13.24                 | V                  |
|   | 11646             | -57.51       | -13           | -44.51            | -66.96             | 3.56                 | 13.01                 | V                  |
|   | 15540             | -57.68       | -13           | -44.68            | -67.20             | 3.92                 | 13.44                 | V                  |

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



| n78 SA / NR 100MHz / QPSK / ANT5 |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                           | 7404              | -59.41       | -13           | -46.41            | -69.62             | 3.03                 | 13.24                 | H                  |
|                                  | 11106             | -57.94       | -13           | -44.94            | -67.39             | 3.56                 | 13.01                 | H                  |
|                                  | 14808             | -55.42       | -13           | -42.42            | -64.94             | 3.92                 | 13.44                 | H                  |
|                                  | 7404              | -58.31       | -13           | -45.31            | -68.52             | 3.03                 | 13.24                 | V                  |
|                                  | 11106             | -58.99       | -13           | -45.99            | -68.44             | 3.56                 | 13.01                 | V                  |
|                                  | 14808             | -57.92       | -13           | -44.92            | -67.44             | 3.92                 | 13.44                 | V                  |

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

| EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT2(LTE) & ANT5(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   | 7404              | -60.78       | -13           | -47.78            | -70.99             | 3.03                 | 13.24                 | H                  |
|  | 11112             | -59.99       | -13           | -46.99            | -69.44             | 3.56                 | 13.01                 | H                  |
|  | 14808             | -57.75       | -13           | -44.75            | -67.27             | 3.92                 | 13.44                 | H                  |
|  | 7404              | -59.94       | -13           | -46.94            | -70.15             | 3.03                 | 13.24                 | V                  |
|  | 11112             | -60.09       | -13           | -47.09            | -69.54             | 3.56                 | 13.01                 | V                  |
|  | 14808             | -56.22       | -13           | -43.22            | -65.74             | 3.92                 | 13.44                 | V                  |

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

| n78 UL MIMO / NR 100+100MHz / QPSK / ANT5+1 |                   |              |               |                   |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                      | 7404              | -60.45       | -13           | -47.45            | -70.66             | 3.03                 | 13.24                 | H                  |
|   | 11112             | -60.28       | -13           | -47.28            | -69.73             | 3.56                 | 13.01                 | H                  |
|   | 14808             | -57.89       | -13           | -44.89            | -67.41             | 3.92                 | 13.44                 | H                  |
|   | 7404              | -60.92       | -13           | -47.92            | -71.13             | 3.03                 | 13.24                 | V                  |
|   | 11112             | -60.08       | -13           | -47.08            | -69.53             | 3.56                 | 13.01                 | V                  |
|   | 14808             | -56.59       | -13           | -43.59            | -66.11             | 3.92                 | 13.44                 | V                  |

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



Sample 1 with Battery 2 :

| n77 SA / NR 100MHz / QPSK / ANT5 for Battery 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              | -61.74       | -13           | -48.74            | -71.95             | 3.03                 | 13.24                 | H                  |
|  | 11112             | -60.09       | -13           | -47.09            | -69.54             | 3.56                 | 13.01                 | H                  |
|  | 14820             | -57.99       | -13           | -44.99            | -67.51             | 3.92                 | 13.44                 | H                  |
|  | 7404              | -59.93       | -13           | -46.93            | -70.14             | 3.03                 | 13.24                 | V                  |
|  | 11112             | -60.19       | -13           | -47.19            | -69.64             | 3.56                 | 13.01                 | V                  |
|  | 14820             | -58.21       | -13           | -45.21            | -67.73             | 3.92                 | 13.44                 | V                  |
| Middle   | 7584              | -61.25       | -13           | -48.25            | -71.46             | 3.03                 | 13.24                 | H                  |
|  | 11376             | -58.25       | -13           | -45.25            | -67.70             | 3.56                 | 13.01                 | H                  |
|  | 15168             | -56.58       | -13           | -43.58            | -66.10             | 3.92                 | 13.44                 | H                  |
|  | 7584              | -60.55       | -13           | -47.55            | -70.76             | 3.03                 | 13.24                 | V                  |
|  | 11376             | -58.99       | -13           | -45.99            | -68.44             | 3.56                 | 13.01                 | V                  |
|  | 15168             | -55.19       | -13           | -42.19            | -64.71             | 3.92                 | 13.44                 | V                  |
| Highest  | 7764              | -57.41       | -13           | -44.41            | -67.62             | 3.03                 | 13.24                 | H                  |
|  | 11646             | -56.15       | -13           | -43.15            | -65.60             | 3.56                 | 13.01                 | H                  |
|  | 15528             | -57.77       | -13           | -44.77            | -67.29             | 3.92                 | 13.44                 | H                  |
|  | 7764              | -57.94       | -13           | -44.94            | -68.15             | 3.03                 | 13.24                 | V                  |
|  | 11646             | -56.28       | -13           | -43.28            | -65.73             | 3.56                 | 13.01                 | V                  |
|  | 15528             | -56.80       | -13           | -43.80            | -66.32             | 3.92                 | 13.44                 | V                  |

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



Sample 1 with Battery 3 :

| n77 SA / NR 100MHz / QPSK / ANT5 for Battery 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              | -58.78       | -13           | -45.78            | -68.99             | 3.03                 | 13.24                 | H                  |
|  | 11112             | -60.23       | -13           | -47.23            | -69.68             | 3.56                 | 13.01                 | H                  |
|  | 14808             | -56.30       | -13           | -43.30            | -65.82             | 3.92                 | 13.44                 | H                  |
|  | 7404              | -55.80       | -13           | -42.80            | -66.01             | 3.03                 | 13.24                 | V                  |
|  | 11112             | -60.12       | -13           | -47.12            | -69.57             | 3.56                 | 13.01                 | V                  |
|  | 14808             | -53.78       | -13           | -40.78            | -63.30             | 3.92                 | 13.44                 | V                  |
| Middle   | 7584              | -60.09       | -13           | -47.09            | -70.30             | 3.03                 | 13.24                 | H                  |
|  | 11376             | -57.64       | -13           | -44.64            | -67.09             | 3.56                 | 13.01                 | H                  |
|  | 15168             | -55.53       | -13           | -42.53            | -65.05             | 3.92                 | 13.44                 | H                  |
|  | 7584              | -60.37       | -13           | -47.37            | -70.58             | 3.03                 | 13.24                 | V                  |
|  | 11376             | -58.08       | -13           | -45.08            | -67.53             | 3.56                 | 13.01                 | V                  |
|  | 15168             | -52.57       | -13           | -39.57            | -62.09             | 3.92                 | 13.44                 | V                  |
| Highest  | 7764              | -56.57       | -13           | -43.57            | -66.78             | 3.03                 | 13.24                 | H                  |
|  | 11640             | -54.04       | -13           | -41.04            | -63.49             | 3.56                 | 13.01                 | H                  |
|  | 15528             | -56.14       | -13           | -43.14            | -65.66             | 3.92                 | 13.44                 | H                  |
|  | 7764              | -57.59       | -13           | -44.59            | -67.80             | 3.03                 | 13.24                 | V                  |
|  | 11640             | -54.06       | -13           | -41.06            | -63.51             | 3.56                 | 13.01                 | V                  |
|  | 15528             | -57.37       | -13           | -44.37            | -66.89             | 3.92                 | 13.44                 | V                  |

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



Sample 2 :

| n77 SA / NR 100MHz / QPSK / ANT5 |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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              | -61.12       | -13           | -48.12            | -71.33             | 3.03                 | 13.24                 | H                  |
|                                  | 11100             | -59.35       | -13           | -46.35            | -68.80             | 3.56                 | 13.01                 | H                  |
|                                  | 14820             | -59.39       | -13           | -46.39            | -68.91             | 3.92                 | 13.44                 | H                  |
|                                  | 7404              | -58.61       | -13           | -45.61            | -68.82             | 3.03                 | 13.24                 | V                  |
|                                  | 11112             | -61.10       | -13           | -48.10            | -70.55             | 3.56                 | 13.01                 | V                  |
|                                  | 14820             | -59.56       | -13           | -46.56            | -69.08             | 3.92                 | 13.44                 | V                  |
| Middle                           | 7596              | -63.71       | -13           | -50.71            | -73.92             | 3.03                 | 13.24                 | H                  |
|                                  | 11376             | -54.78       | -13           | -41.78            | -64.23             | 3.56                 | 13.01                 | H                  |
|                                  | 15180             | -59.43       | -13           | -46.43            | -68.95             | 3.92                 | 13.44                 | H                  |
|                                  | 7584              | -58.31       | -13           | -45.31            | -68.52             | 3.03                 | 13.24                 | V                  |
|                                  | 11376             | -58.12       | -13           | -45.12            | -67.57             | 3.56                 | 13.01                 | V                  |
|                                  | 15180             | -59.23       | -13           | -46.23            | -68.75             | 3.92                 | 13.44                 | V                  |
| Highest                          | 7764              | -59.80       | -13           | -46.80            | -70.01             | 3.03                 | 13.24                 | H                  |
|                                  | 11640             | -56.67       | -13           | -43.67            | -66.12             | 3.56                 | 13.01                 | H                  |
|                                  | 15540             | -59.11       | -13           | -46.11            | -68.63             | 3.92                 | 13.44                 | H                  |
|                                  | 7764              | -55.14       | -13           | -42.14            | -65.35             | 3.03                 | 13.24                 | V                  |
|                                  | 11640             | -55.72       | -13           | -42.72            | -65.17             | 3.56                 | 13.01                 | V                  |
|                                  | 15540             | -59.23       | -13           | -46.23            | -68.75             | 3.92                 | 13.44                 | V                  |

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