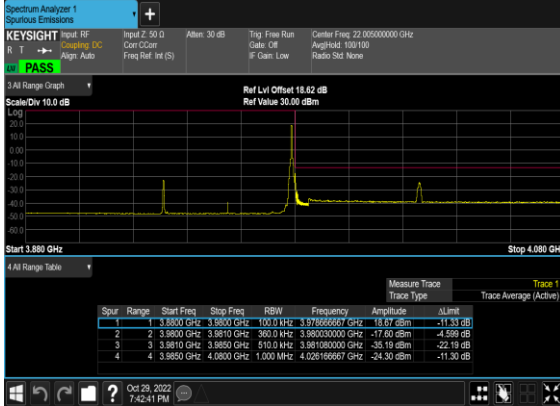
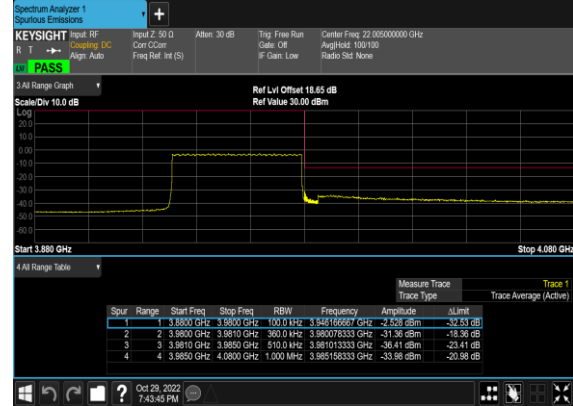


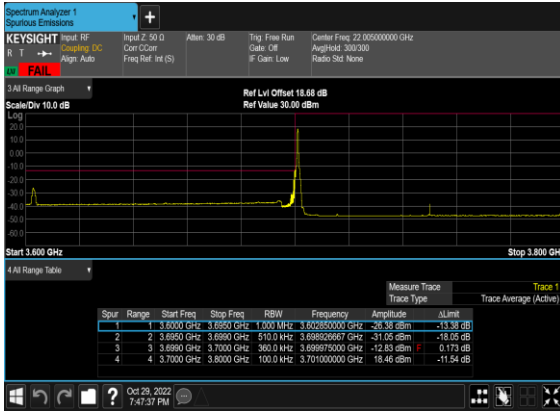
N77(50M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



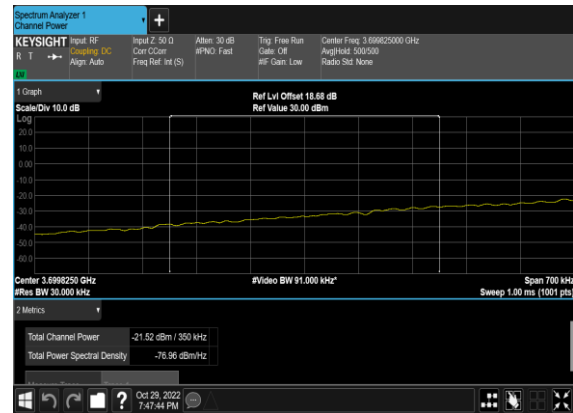
N77(50M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



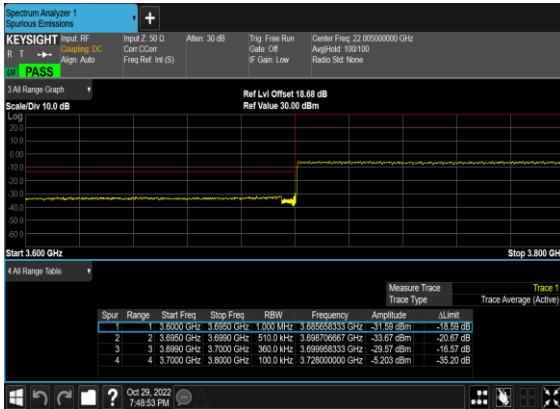
N77(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



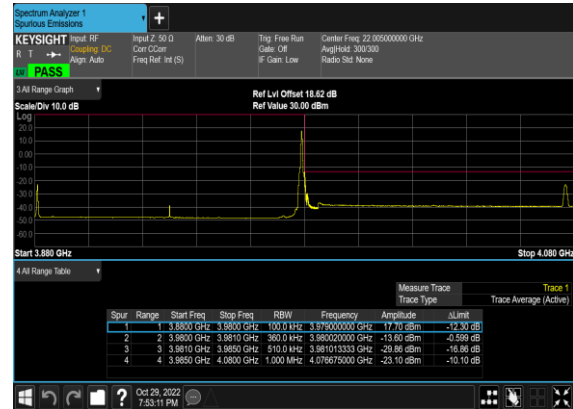
N77(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PA  
SS



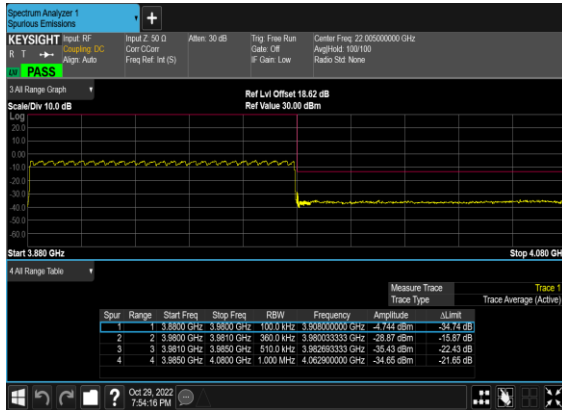
N77(100M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



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



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



# FR1 N78

## Transmitter Conducted Output Power And ERP/EIRP, ( $G_T - L_C$ )=-1.6dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation        | RB  | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|-------------------|-----|----------------------|------------|----------|
| 78      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK   | 1@1 | 26.23                | 24.63      | 0.2904   |
| 78      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM 16 QAM | 1@1 | 25.7                 | 24.1       | 0.2570   |
| 78      | 30        | 10              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 26.14                | 24.54      | 0.2844   |
| 78      | 30        | 10              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 25.1                 | 23.5       | 0.2239   |
| 78      | 30        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK   | 1@1 | 26.32                | 24.72      | 0.2965   |
| 78      | 30        | 10              | 653000 | 3795.0     | DFT-s-OFDM 16 QAM | 1@1 | 25.38                | 23.78      | 0.2388   |
| 78      | 30        | 15              | 647168 | 3707.52    | DFT-s-OFDM QPSK   | 1@1 | 26.38                | 24.78      | 0.3006   |
| 78      | 30        | 15              | 647168 | 3707.52    | DFT-s-OFDM 16 QAM | 1@1 | 25.75                | 24.15      | 0.2600   |
| 78      | 30        | 15              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 26.46                | 24.86      | 0.3062   |
| 78      | 30        | 15              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 25.71                | 24.11      | 0.2576   |
| 78      | 30        | 15              | 652832 | 3792.48    | DFT-s-OFDM QPSK   | 1@1 | 26.38                | 24.78      | 0.3006   |
| 78      | 30        | 15              | 652832 | 3792.48    | DFT-s-OFDM 16 QAM | 1@1 | 25.73                | 24.13      | 0.2588   |
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK   | 1@1 | 26.35                | 24.75      | 0.2985   |
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 16 QAM | 1@1 | 25.92                | 24.32      | 0.2704   |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 26.42                | 24.82      | 0.3034   |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 25.74                | 24.14      | 0.2594   |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM QPSK   | 1@1 | 26.42                | 24.82      | 0.3034   |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM 16 QAM | 1@1 | 25.66                | 24.06      | 0.2547   |
| 78      | 30        | 30              | 647668 | 3715.02    | DFT-s-OFDM QPSK   | 1@1 | 26.48                | 24.88      | 0.3076   |
| 78      | 30        | 30              | 647668 | 3715.02    | DFT-s-OFDM 16 QAM | 1@1 | 25.4                 | 23.8       | 0.2399   |

|    |    |    |        |         |                   |     |       |       |        |
|----|----|----|--------|---------|-------------------|-----|-------|-------|--------|
| 78 | 30 | 30 | 650000 | 3750.0  | DFT-s-OFDM QPSK   | 1@1 | 26.49 | 24.89 | 0.3083 |
| 78 | 30 | 30 | 650000 | 3750.0  | DFT-s-OFDM 16 QAM | 1@1 | 25.92 | 24.32 | 0.2704 |
| 78 | 30 | 30 | 652332 | 3784.98 | DFT-s-OFDM QPSK   | 1@1 | 26.39 | 24.79 | 0.3013 |
| 78 | 30 | 30 | 652332 | 3784.98 | DFT-s-OFDM 16 QAM | 1@1 | 25.81 | 24.21 | 0.2636 |
| 78 | 30 | 40 | 648000 | 3720.0  | DFT-s-OFDM QPSK   | 1@1 | 26.49 | 24.89 | 0.3083 |
| 78 | 30 | 40 | 648000 | 3720.0  | DFT-s-OFDM 16 QAM | 1@1 | 25.83 | 24.23 | 0.2649 |
| 78 | 30 | 40 | 650000 | 3750.0  | DFT-s-OFDM QPSK   | 1@1 | 26.49 | 24.89 | 0.3083 |
| 78 | 30 | 40 | 650000 | 3750.0  | DFT-s-OFDM 16 QAM | 1@1 | 25.84 | 24.24 | 0.2655 |
| 78 | 30 | 40 | 652000 | 3780.0  | DFT-s-OFDM QPSK   | 1@1 | 26.48 | 24.88 | 0.3076 |
| 78 | 30 | 40 | 652000 | 3780.0  | DFT-s-OFDM 16 QAM | 1@1 | 26.02 | 24.42 | 0.2767 |
| 78 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK   | 1@1 | 26.25 | 24.65 | 0.2917 |
| 78 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM | 1@1 | 25.74 | 24.14 | 0.2594 |
| 78 | 30 | 50 | 650000 | 3750.0  | DFT-s-OFDM QPSK   | 1@1 | 26.35 | 24.75 | 0.2985 |
| 78 | 30 | 50 | 650000 | 3750.0  | DFT-s-OFDM 16 QAM | 1@1 | 25.94 | 24.34 | 0.2716 |
| 78 | 30 | 50 | 651666 | 3774.99 | DFT-s-OFDM QPSK   | 1@1 | 26.26 | 24.66 | 0.2924 |
| 78 | 30 | 50 | 651666 | 3774.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.97 | 24.37 | 0.2735 |
| 78 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM QPSK   | 1@1 | 26.11 | 24.51 | 0.2825 |
| 78 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM 16 QAM | 1@1 | 25.97 | 24.37 | 0.2735 |
| 78 | 30 | 60 | 650000 | 3750.0  | DFT-s-OFDM QPSK   | 1@1 | 26.26 | 24.66 | 0.2924 |
| 78 | 30 | 60 | 650000 | 3750.0  | DFT-s-OFDM 16 QAM | 1@1 | 25.81 | 24.21 | 0.2636 |
| 78 | 30 | 60 | 651332 | 3769.98 | DFT-s-OFDM QPSK   | 1@1 | 26.14 | 24.54 | 0.2844 |
| 78 | 30 | 60 | 651332 | 3769.98 | DFT-s-OFDM 16 QAM | 1@1 | 25.76 | 24.16 | 0.2606 |
| 78 | 30 | 70 | 649000 | 3735.0  | DFT-s-OFDM QPSK   | 1@1 | 26.08 | 24.48 | 0.2805 |
| 78 | 30 | 70 | 649000 | 3735.0  | DFT-s-OFDM 16 QAM | 1@1 | 25.56 | 23.96 | 0.2489 |

|    |    |     |        |         |                      |        |       |       |        |
|----|----|-----|--------|---------|----------------------|--------|-------|-------|--------|
| 78 | 30 | 70  | 650000 | 3750.0  | DFT-s-OFDM QPSK      | 1@1    | 26.05 | 24.45 | 0.2786 |
| 78 | 30 | 70  | 650000 | 3750.0  | DFT-s-OFDM 16 QAM    | 1@1    | 25.67 | 24.07 | 0.2553 |
| 78 | 30 | 70  | 651000 | 3765.0  | DFT-s-OFDM QPSK      | 1@1    | 26.09 | 24.49 | 0.2812 |
| 78 | 30 | 70  | 651000 | 3765.0  | DFT-s-OFDM 16 QAM    | 1@1    | 25.86 | 24.26 | 0.2667 |
| 78 | 30 | 80  | 649334 | 3740.01 | DFT-s-OFDM QPSK      | 1@1    | 26.06 | 24.46 | 0.2793 |
| 78 | 30 | 80  | 649334 | 3740.01 | DFT-s-OFDM 16 QAM    | 1@1    | 25.71 | 24.11 | 0.2576 |
| 78 | 30 | 80  | 650000 | 3750.0  | DFT-s-OFDM QPSK      | 1@1    | 26.09 | 24.49 | 0.2812 |
| 78 | 30 | 80  | 650000 | 3750.0  | DFT-s-OFDM 16 QAM    | 1@1    | 25.62 | 24.02 | 0.2523 |
| 78 | 30 | 80  | 650666 | 3759.99 | DFT-s-OFDM QPSK      | 1@1    | 26.06 | 24.46 | 0.2793 |
| 78 | 30 | 80  | 650666 | 3759.99 | DFT-s-OFDM 16 QAM    | 1@1    | 25.78 | 24.18 | 0.2618 |
| 78 | 30 | 90  | 649668 | 3745.02 | DFT-s-OFDM QPSK      | 1@1    | 26.1  | 24.5  | 0.2818 |
| 78 | 30 | 90  | 649668 | 3745.02 | DFT-s-OFDM 16 QAM    | 1@1    | 25.61 | 24.01 | 0.2518 |
| 78 | 30 | 90  | 650000 | 3750.0  | DFT-s-OFDM QPSK      | 1@1    | 26.1  | 24.5  | 0.2818 |
| 78 | 30 | 90  | 650000 | 3750.0  | DFT-s-OFDM 16 QAM    | 1@1    | 25.65 | 24.05 | 0.2541 |
| 78 | 30 | 90  | 650332 | 3754.98 | DFT-s-OFDM QPSK      | 1@1    | 26.04 | 24.44 | 0.2780 |
| 78 | 30 | 90  | 650332 | 3754.98 | DFT-s-OFDM 16 QAM    | 1@1    | 25.58 | 23.98 | 0.2500 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM PI/2 BPSK | 135@67 | 26.31 | 24.71 | 0.2958 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM PI/2 BPSK | 1@1    | 26.41 | 24.81 | 0.3027 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM PI/2 BPSK | 1@271  | 26.5  | 24.9  | 0.3090 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM QPSK      | 135@67 | 26.3  | 24.7  | 0.2951 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM QPSK      | 1@1    | 26.42 | 24.82 | 0.3034 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM QPSK      | 1@271  | 26.21 | 24.61 | 0.2891 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM 16 QAM    | 135@67 | 25.76 | 24.16 | 0.2606 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM 16 QAM    | 1@1    | 25.73 | 24.13 | 0.2588 |

|    |    |     |        |        |                    |        |       |       |        |
|----|----|-----|--------|--------|--------------------|--------|-------|-------|--------|
| 78 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM 16 QAM  | 1@271  | 25.82 | 24.22 | 0.2642 |
| 78 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM 64 QAM  | 135@67 | 24.57 | 22.97 | 0.1982 |
| 78 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM 64 QAM  | 1@1    | 24.55 | 22.95 | 0.1972 |
| 78 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM 64 QAM  | 1@271  | 24.7  | 23.1  | 0.2042 |
| 78 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM 256 QAM | 135@67 | 22.54 | 20.94 | 0.1242 |
| 78 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM 256 QAM | 1@1    | 22.5  | 20.9  | 0.1230 |
| 78 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM 256 QAM | 1@271  | 22.58 | 20.98 | 0.1253 |
| 78 | 30 | 100 | 650000 | 3750.0 | CP-OFDM QPSK       | 137@68 | 24.59 | 22.99 | 0.1991 |
| 78 | 30 | 100 | 650000 | 3750.0 | CP-OFDM QPSK       | 1@1    | 24.42 | 22.82 | 0.1914 |
| 78 | 30 | 100 | 650000 | 3750.0 | CP-OFDM QPSK       | 1@271  | 24.59 | 22.99 | 0.1991 |



### Appendix B. Test Results of Radiated Test

#### Radiated Spurious Emission

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Engineer : | Kuang Jia | Temperature :       | 22~25°C |
|                 |           | Relative Humidity : | 48~52%  |

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

| SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT3 |                   |              |               |                   |                    |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                     | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                      | 7582.90           | -58.05       | -13           | -45.05            | -64.03             | -61.35             | 8.30                 | 11.60                 | H                  |
|   | 11374.35          | -56.84       | -13           | -43.84            | -68.52             | -58.36             | 10.48                | 12.00                 | H                  |
|   | 15165.80          | -54.55       | -13           | -41.55            | -68.93             | -56.25             | 11.80                | 13.50                 | H                  |
|   | 7582.90           | -56.79       | -13           | -43.79            | -63.25             | -60.09             | 8.30                 | 11.60                 | V                  |
|   | 11374.35          | -52.57       | -13           | -39.57            | -64.21             | -54.09             | 10.48                | 12.00                 | V                  |
|   | 15165.80          | -52.71       | -13           | -39.71            | -68.66             | -54.41             | 11.80                | 13.50                 | V                  |

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

| SA n78 / NR 100MHz / QPSK DFT-s-OFDM / ANT3 |                   |              |               |                   |                    |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                     | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                      | 7402.50           | -58.10       | -13           | -45.10            | -64.54             | -61.40             | 8.30                 | 11.60                 | H                  |
|   | 11103.75          | -58.42       | -13           | -45.42            | -69.18             | -59.94             | 10.48                | 12.00                 | H                  |
|   | 14805.00          | -54.59       | -13           | -41.59            | -67.71             | -56.29             | 11.80                | 13.50                 | H                  |
|   | 7402.50           | -58.33       | -13           | -45.33            | -65.08             | -61.63             | 8.30                 | 11.60                 | V                  |
|   | 11103.75          | -58.78       | -13           | -45.78            | -69.27             | -60.30             | 10.48                | 12.00                 | V                  |
|   | 14805.00          | -52.06       | -13           | -39.06            | -67.36             | -53.76             | 11.80                | 13.50                 | V                  |

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



| EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR) |                   |              |               |                   |                    |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| n78 Middle   | 7402.50           | -55.71       | -13           | -42.71            | -62.15             | -59.01             | 8.30                 | 11.60                 | H                  |
|  | 11103.75          | -59.43       | -13           | -46.43            | -70.19             | -60.95             | 10.48                | 12.00                 | H                  |
|  | 14805.00          | -54.40       | -13           | -41.40            | -67.52             | -56.10             | 11.80                | 13.50                 | H                  |
|  | 7402.50           | -51.91       | -13           | -38.91            | -58.66             | -55.21             | 8.30                 | 11.60                 | V                  |
|  | 11103.75          | -59.21       | -13           | -46.21            | -69.7              | -60.73             | 10.48                | 12.00                 | V                  |
|  | 14805.00          | -52.46       | -13           | -39.46            | -67.76             | -54.16             | 11.80                | 13.50                 | V                  |
| LTE Band 2 Middle  | 3769              | -63.63       | -13           | -50.63            | -60.86             | -70.38             | 5.85                 | 12.60                 | H                  |
|  | 5653.5            | -59.77       | -13           | -46.77            | -63.19             | -65.57             | 7.30                 | 13.10                 | H                  |
|  | 7538              | -59.21       | -13           | -46.21            | -65.29             | -62.36             | 8.35                 | 11.50                 | H                  |
|  | 3769              | -64.85       | -13           | -51.85            | -61.61             | -71.60             | 5.85                 | 12.60                 | V                  |
|  | 5653.5            | -61.25       | -13           | -48.25            | -63.52             | -67.05             | 7.30                 | 13.10                 | V                  |
|  | 7538              | -58.89       | -13           | -45.89            | -65.41             | -62.04             | 8.35                 | 11.50                 | V                  |

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

| EN-DC_5A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT3(NR) |                   |              |               |                   |                    |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| n78 Middle  | 7402.50           | -58.26       | -13           | -45.26            | -64.70             | -61.56             | 8.30                 | 11.60                 | H                  |
|   | 11103.75          | -59.30       | -13           | -46.30            | -70.06             | -60.82             | 10.48                | 12.00                 | H                  |
|   | 14805.00          | -54.58       | -13           | -41.58            | -67.70             | -56.28             | 11.80                | 13.50                 | H                  |
|   | 7402.50           | -56.86       | -13           | -43.86            | -63.61             | -60.16             | 8.30                 | 11.60                 | V                  |
|   | 11103.75          | -58.24       | -13           | -45.24            | -68.73             | -59.76             | 10.48                | 12.00                 | V                  |
|   | 14805.00          | -52.52       | -13           | -39.52            | -67.82             | -54.22             | 11.80                | 13.50                 | V                  |
| LTE Band 5 Middle   | 1682              | -71.59       | -13           | -58.59            | -60.55             | -74.84             | 4.00                 | 9.40                  | H                  |
|   | 2523              | -67.82       | -13           | -54.82            | -60.61             | -71.39             | 4.88                 | 10.60                 | H                  |
|   | 3364              | -65.15       | -13           | -52.15            | -60.62             | -70.08             | 5.52                 | 12.60                 | H                  |
|   | 1682              | -71.52       | -13           | -58.52            | -60.67             | -74.77             | 4.00                 | 9.40                  | V                  |
|   | 2523              | -67.76       | -13           | -54.76            | -60.63             | -71.33             | 4.88                 | 10.60                 | V                  |
|   | 3364              | -65.38       | -13           | -52.38            | -60.86             | -70.31             | 5.52                 | 12.60                 | V                  |

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





| EN-DC_7A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR) |                   |              |               |                   |                    |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| n78 Middle  | 7402.50           | -59.09       | -13           | -46.09            | -65.53             | -62.39             | 8.30                 | 11.60                 | H                  |
|   | 11103.75          | -59.21       | -13           | -46.21            | -69.97             | -60.73             | 10.48                | 12.00                 | H                  |
|   | 14805.00          | -54.54       | -13           | -41.54            | -67.66             | -56.24             | 11.80                | 13.50                 | H                  |
|   | 7402.50           | -58.49       | -13           | -45.49            | -65.24             | -61.79             | 8.30                 | 11.60                 | V                  |
|   | 11103.75          | -59.10       | -13           | -46.10            | -69.59             | -60.62             | 10.48                | 12.00                 | V                  |
|   | 14805.00          | -52.15       | -13           | -39.15            | -67.45             | -53.85             | 11.80                | 13.50                 | V                  |
| LTE Band 7 Middle   | 5079.00           | -59.46       | -25           | -34.46            | -63.08             | -65.02             | 7.14                 | 12.70                 | H                  |
|   | 7618.50           | -55.40       | -25           | -30.40            | -61.29             | -58.70             | 8.30                 | 11.60                 | H                  |
|   | 10158.00          | -57.19       | -25           | -32.19            | -67.31             | -58.71             | 10.48                | 12.00                 | H                  |
|   | 5079.00           | -59.67       | -25           | -34.67            | -63.13             | -65.23             | 7.14                 | 12.70                 | V                  |
|   | 7618.50           | -56.91       | -25           | -31.91            | -63.32             | -60.21             | 8.30                 | 11.60                 | V                  |
|   | 10158.00          | -58.33       | -25           | -33.33            | -67.19             | -59.85             | 10.48                | 12.00                 | V                  |

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

| EN-DC_41A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR) |                   |              |               |                   |                    |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| n78 Middle   | 7402.50           | -58.46       | -13           | -45.46            | -64.90             | -61.76             | 8.30                 | 11.60                 | H                  |
|  | 11103.75          | -59.18       | -13           | -46.18            | -69.94             | -60.70             | 10.48                | 12.00                 | H                  |
|  | 14805.00          | -54.31       | -13           | -41.31            | -67.43             | -56.01             | 11.80                | 13.50                 | H                  |
|  | 7402.50           | -56.45       | -13           | -43.45            | -63.2              | -59.75             | 8.30                 | 11.60                 | V                  |
|  | 11103.75          | -59.10       | -13           | -46.10            | -69.59             | -60.62             | 10.48                | 12.00                 | V                  |
|  | 14805.00          | -52.43       | -13           | -39.43            | -67.73             | -54.13             | 11.80                | 13.50                 | V                  |
| LTE Band 41 Middle   | 5195.00           | -59.66       | -25           | -34.66            | -63.18             | -65.22             | 7.14                 | 12.70                 | H                  |
|  | 7792.50           | -60.11       | -25           | -35.11            | -65.53             | -63.41             | 8.30                 | 11.60                 | H                  |
|  | 10390.00          | -57.40       | -25           | -32.40            | -67.81             | -58.92             | 10.48                | 12.00                 | H                  |
|  | 5195.00           | -59.99       | -25           | -34.99            | -63.13             | -65.55             | 7.14                 | 12.70                 | V                  |
|  | 7792.50           | -59.12       | -25           | -34.12            | -65.21             | -62.42             | 8.30                 | 11.60                 | V                  |
|  | 10390.00          | -58.42       | -25           | -33.42            | -67.91             | -59.94             | 10.48                | 12.00                 | V                  |

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



| EN-DC_38A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR) |                   |              |               |                   |                    |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| n78 Middle   | 7402.50           | -57.68       | -13           | -44.68            | -64.12             | -60.98             | 8.30                 | 11.60                 | H                  |
|  | 11103.75          | -59.48       | -13           | -46.48            | -70.24             | -61.00             | 10.48                | 12.00                 | H                  |
|  | 14805.00          | -54.46       | -13           | -41.46            | -67.58             | -56.16             | 11.80                | 13.50                 | H                  |
|  | 7402.50           | -56.84       | -13           | -43.84            | -63.59             | -60.14             | 8.30                 | 11.60                 | V                  |
|  | 11103.75          | -59.18       | -13           | -46.18            | -69.67             | -60.70             | 10.48                | 12.00                 | V                  |
|  | 14805.00          | -52.49       | -13           | -39.49            | -67.79             | -54.19             | 11.80                | 13.50                 | V                  |
| LTE Band 38 Middle   | 5199.00           | -59.71       | -25           | -34.71            | -63.23             | -65.27             | 7.14                 | 12.70                 | H                  |
|  | 7798.50           | -60.09       | -25           | -35.09            | -65.49             | -63.39             | 8.30                 | 11.60                 | H                  |
|  | 10398.00          | -57.42       | -25           | -32.42            | -67.85             | -58.94             | 10.48                | 12.00                 | H                  |
|  | 5199.00           | -60.01       | -25           | -35.01            | -63.15             | -65.57             | 7.14                 | 12.70                 | V                  |
|  | 7798.50           | -59.52       | -25           | -34.52            | -65.6              | -62.82             | 8.30                 | 11.60                 | V                  |
|  | 10398.00          | -58.26       | -25           | -33.26            | -67.78             | -59.78             | 10.48                | 12.00                 | V                  |

| EN-DC_66A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT3(NR) |                   |              |               |                   |                    |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| n78 Middle   | 7402.50           | -58.31       | -13           | -45.31            | -64.75             | -61.61             | 8.30                 | 11.60                 | H                  |
|  | 11103.75          | -58.60       | -13           | -45.60            | -69.36             | -60.12             | 10.48                | 12.00                 | H                  |
|  | 14805.00          | -54.52       | -13           | -41.52            | -67.64             | -56.22             | 11.80                | 13.50                 | H                  |
|  | 7402.50           | -58.40       | -13           | -45.40            | -65.15             | -61.70             | 8.30                 | 11.60                 | V                  |
|  | 11103.75          | -58.41       | -13           | -45.41            | -68.9              | -59.93             | 10.48                | 12.00                 | V                  |
|  | 14805.00          | -52.44       | -13           | -39.44            | -67.74             | -54.14             | 11.80                | 13.50                 | V                  |
| LTE Band 66 Middle   | 3499              | -65.20       | -13           | -52.20            | -61.19             | -72.05             | 5.65                 | 12.50                 | H                  |
|  | 5248.5            | -60.06       | -13           | -47.06            | -63.03             | -65.73             | 7.13                 | 12.80                 | H                  |
|  | 6998              | -60.61       | -13           | -47.61            | -65.73             | -64.01             | 8.40                 | 11.80                 | H                  |
|  | 3499              | -65.11       | -13           | -52.11            | -61.13             | -71.96             | 5.65                 | 12.50                 | V                  |
|  | 5248.5            | -60.24       | -13           | -47.24            | -62.77             | -65.91             | 7.13                 | 12.80                 | V                  |
|  | 6998              | -60.17       | -13           | -47.17            | -65.47             | -63.57             | 8.40                 | 11.80                 | V                  |

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

| SA n77 MIMO / NR 100MHz / QPSK DFT-s-OFDM / ANT3+1 |                   |              |               |                   |                    |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA. Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle   | 7402.00           | -53.18       | -13           | -40.18            | -59.62             | -56.48             | 8.30                 | 11.60                 | H                  |
|  | 11103.00          | -58.05       | -13           | -45.05            | -68.81             | -59.57             | 10.48                | 12.00                 | H                  |
|  | 14804.00          | -55.35       | -13           | -42.35            | -68.47             | -57.05             | 11.80                | 13.50                 | H                  |
|  | 7402.00           | -50.74       | -13           | -37.74            | -57.49             | -54.04             | 8.30                 | 11.60                 | V                  |
|  | 11103.00          | -59.45       | -13           | -46.45            | -69.94             | -60.97             | 10.48                | 12.00                 | V                  |
|  | 14804.00          | -52.97       | -13           | -39.97            | -68.26             | -54.67             | 11.80                | 13.50                 | V                  |

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