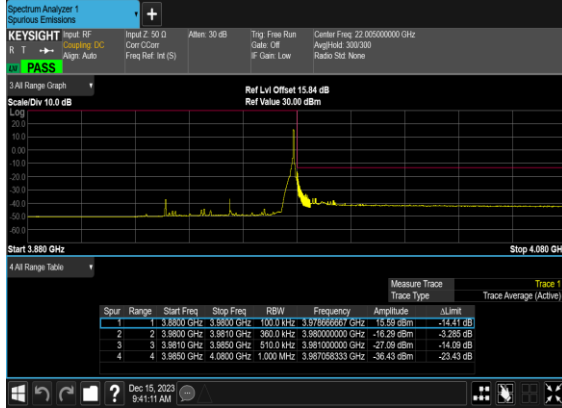
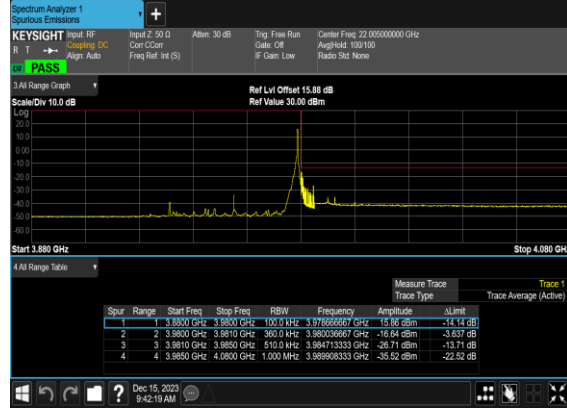


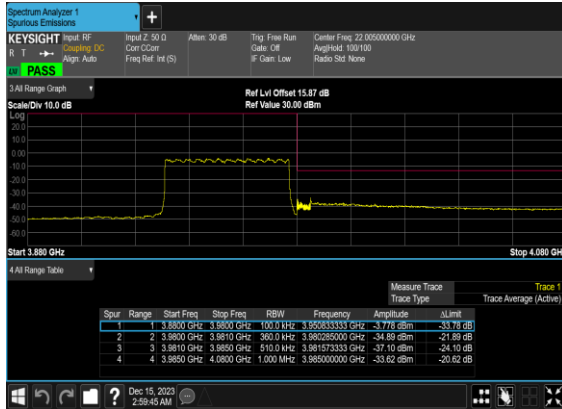
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



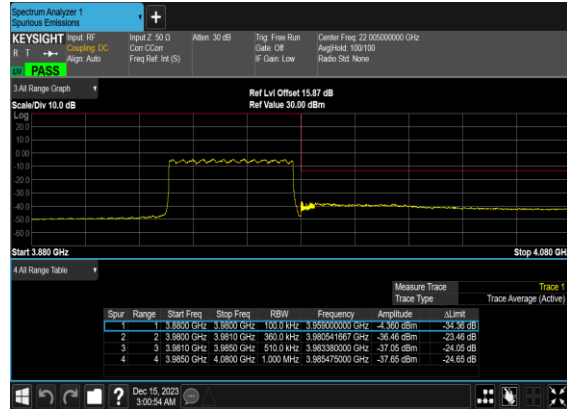
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



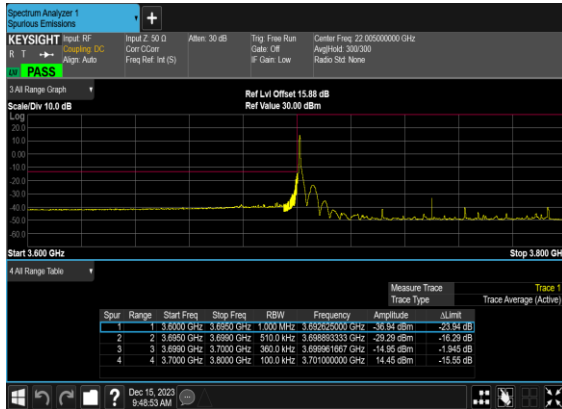
### N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



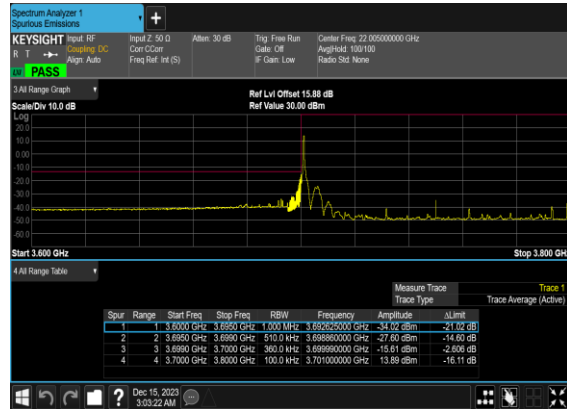
### N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



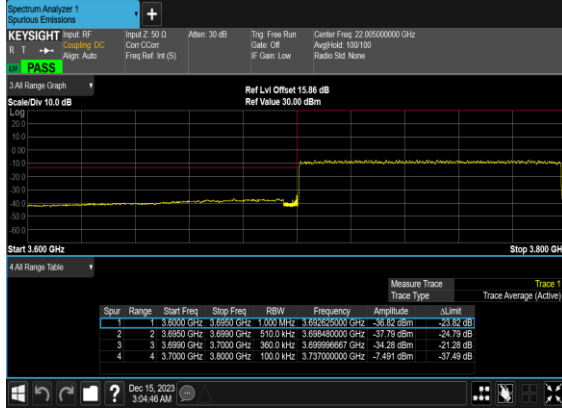
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



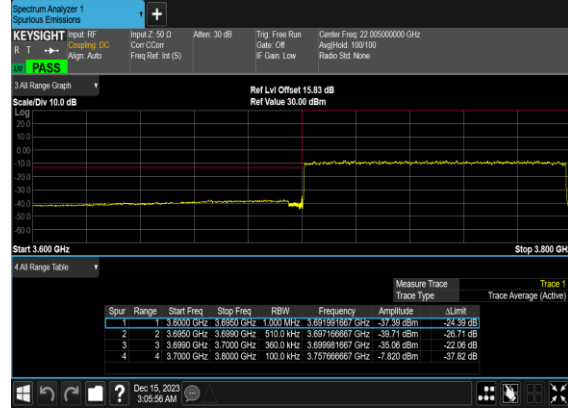
### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



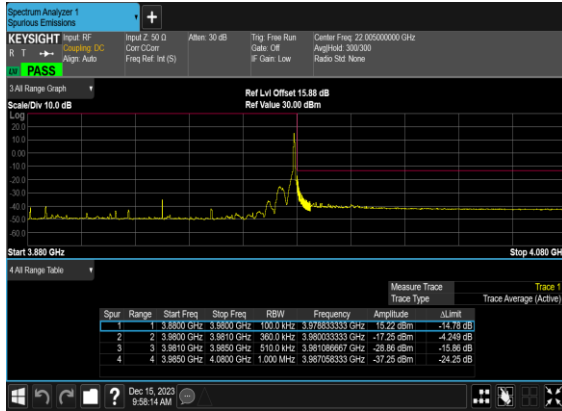
N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



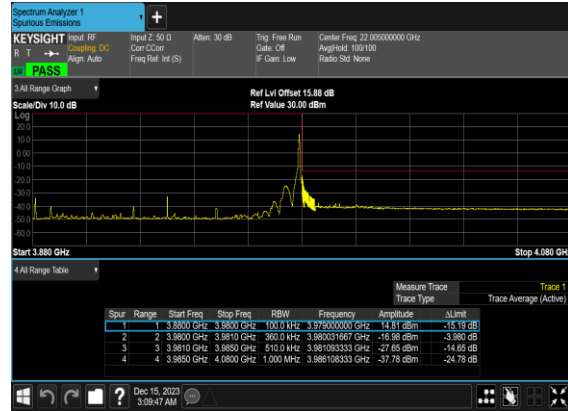
N77(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



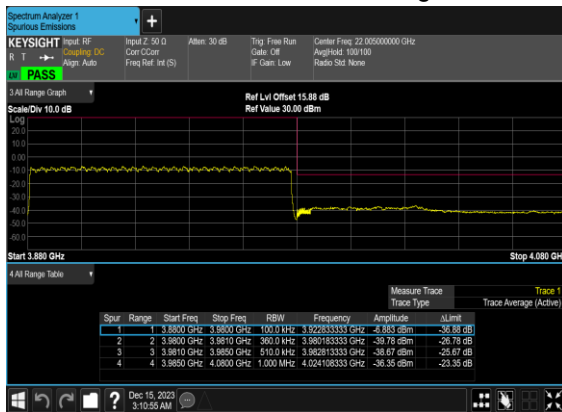
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



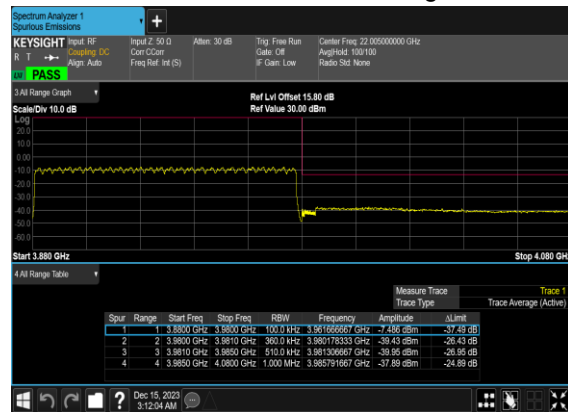
N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



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



# FR1 N78(ANT5) – SCS 15k

## Transmitter Conducted Output Power and EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-3.71dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation        | RB  | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|-------------------|-----|----------------------|------------|----------|
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK   | 1@1 | 22.29                | 18.58      | 0.0721   |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM 16 QAM | 1@1 | 21.44                | 17.73      | 0.0593   |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.52                | 17.81      | 0.0604   |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.6                 | 16.89      | 0.0489   |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK   | 1@1 | 22.4                 | 18.69      | 0.0740   |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM 16 QAM | 1@1 | 21.63                | 17.92      | 0.0619   |
| 78      | 15        | 15              | 647167 | 3707.505   | DFT-s-OFDM QPSK   | 1@1 | 22.35                | 18.64      | 0.0731   |
| 78      | 15        | 15              | 647167 | 3707.505   | DFT-s-OFDM 16 QAM | 1@1 | 21.5                 | 17.79      | 0.0601   |
| 78      | 15        | 15              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.6                 | 17.89      | 0.0615   |
| 78      | 15        | 15              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.7                 | 16.99      | 0.0500   |
| 78      | 15        | 15              | 652833 | 3792.495   | DFT-s-OFDM QPSK   | 1@1 | 22.35                | 18.64      | 0.0731   |
| 78      | 15        | 15              | 652833 | 3792.495   | DFT-s-OFDM 16 QAM | 1@1 | 21.51                | 17.8       | 0.0603   |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK   | 1@1 | 21.67                | 17.96      | 0.0625   |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM 16 QAM | 1@1 | 20.76                | 17.05      | 0.0507   |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.78                | 18.07      | 0.0641   |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.9                 | 17.19      | 0.0524   |
| 78      | 15        | 20              | 652666 | 3789.99    | DFT-s-OFDM QPSK   | 1@1 | 22.04                | 18.33      | 0.0681   |
| 78      | 15        | 20              | 652666 | 3789.99    | DFT-s-OFDM 16 QAM | 1@1 | 21.13                | 17.42      | 0.0552   |
| 78      | 15        | 30              | 647667 | 3715.005   | DFT-s-OFDM QPSK   | 1@1 | 21.48                | 17.77      | 0.0598   |
| 78      | 15        | 30              | 647667 | 3715.005   | DFT-s-OFDM 16 QAM | 1@1 | 20.58                | 16.87      | 0.0486   |
| 78      | 15        | 30              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.55                | 17.84      | 0.0608   |
| 78      | 15        | 30              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.7                 | 16.99      | 0.0500   |

|    |    |    |        |          |                         |        |       |       |        |
|----|----|----|--------|----------|-------------------------|--------|-------|-------|--------|
| 78 | 15 | 30 | 652333 | 3784.995 | DFT-s-OFDM<br>QPSK      | 1@1    | 21.7  | 17.99 | 0.0630 |
| 78 | 15 | 30 | 652333 | 3784.995 | DFT-s-OFDM<br>16 QAM    | 1@1    | 20.84 | 17.13 | 0.0516 |
| 78 | 15 | 40 | 648000 | 3720.0   | DFT-s-OFDM<br>QPSK      | 1@1    | 21.22 | 17.51 | 0.0564 |
| 78 | 15 | 40 | 648000 | 3720.0   | DFT-s-OFDM<br>16 QAM    | 1@1    | 20.28 | 16.57 | 0.0454 |
| 78 | 15 | 40 | 650000 | 3750.0   | DFT-s-OFDM<br>QPSK      | 1@1    | 21.28 | 17.57 | 0.0571 |
| 78 | 15 | 40 | 650000 | 3750.0   | DFT-s-OFDM<br>16 QAM    | 1@1    | 20.38 | 16.67 | 0.0465 |
| 78 | 15 | 40 | 652000 | 3780.0   | DFT-s-OFDM<br>QPSK      | 1@1    | 21.51 | 17.8  | 0.0603 |
| 78 | 15 | 40 | 652000 | 3780.0   | DFT-s-OFDM<br>16 QAM    | 1@1    | 20.6  | 16.89 | 0.0489 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>PI/2 BPSK | 135@67 | 22.42 | 18.71 | 0.0743 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 22.25 | 18.54 | 0.0714 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>PI/2 BPSK | 1@268  | 22.23 | 18.52 | 0.0711 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>QPSK      | 135@67 | 22.42 | 18.71 | 0.0743 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>QPSK      | 1@1    | 22.25 | 18.54 | 0.0714 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>QPSK      | 1@268  | 22.17 | 18.46 | 0.0701 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>16 QAM    | 135@67 | 21.42 | 17.71 | 0.0590 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>16 QAM    | 1@1    | 21.29 | 17.58 | 0.0573 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>16 QAM    | 1@268  | 21.16 | 17.45 | 0.0556 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>64 QAM    | 135@67 | 19.89 | 16.18 | 0.0415 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>64 QAM    | 1@1    | 19.82 | 16.11 | 0.0408 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>64 QAM    | 1@268  | 19.85 | 16.14 | 0.0411 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>256 QAM   | 135@67 | 17.95 | 14.24 | 0.0265 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>256 QAM   | 1@1    | 18    | 14.29 | 0.0269 |
| 78 | 15 | 50 | 648334 | 3725.01  | DFT-s-OFDM<br>256 QAM   | 1@268  | 17.93 | 14.22 | 0.0264 |
| 78 | 15 | 50 | 648334 | 3725.01  | CP-OFDM<br>QPSK         | 135@67 | 20.83 | 17.12 | 0.0515 |
| 78 | 15 | 50 | 648334 | 3725.01  | CP-OFDM<br>QPSK         | 1@1    | 20.77 | 17.06 | 0.0508 |
| 78 | 15 | 50 | 648334 | 3725.01  | CP-OFDM<br>QPSK         | 1@268  | 20.73 | 17.02 | 0.0504 |
| 78 | 15 | 50 | 650000 | 3750.0   | DFT-s-OFDM<br>PI/2 BPSK | 135@67 | 22.29 | 18.58 | 0.0721 |

|    |    |    |        |         |                         |        |       |       |        |
|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 22.2  | 18.49 | 0.0706 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>PI/2 BPSK | 1@268  | 22.29 | 18.58 | 0.0721 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK      | 135@67 | 22.43 | 18.72 | 0.0745 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK      | 1@1    | 22.21 | 18.5  | 0.0708 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK      | 1@268  | 22.25 | 18.54 | 0.0714 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM    | 135@67 | 21.44 | 17.73 | 0.0593 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM    | 1@1    | 21.26 | 17.55 | 0.0569 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM    | 1@268  | 21.41 | 17.7  | 0.0589 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>64 QAM    | 135@67 | 19.93 | 16.22 | 0.0419 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>64 QAM    | 1@1    | 19.83 | 16.12 | 0.0409 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>64 QAM    | 1@268  | 19.92 | 16.21 | 0.0418 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>256 QAM   | 135@67 | 17.97 | 14.26 | 0.0267 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>256 QAM   | 1@1    | 17.93 | 14.22 | 0.0264 |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>256 QAM   | 1@268  | 18.01 | 14.3  | 0.0269 |
| 78 | 15 | 50 | 650000 | 3750.0  | CP-OFDM<br>QPSK         | 135@67 | 20.91 | 17.2  | 0.0525 |
| 78 | 15 | 50 | 650000 | 3750.0  | CP-OFDM<br>QPSK         | 1@1    | 20.69 | 16.98 | 0.0499 |
| 78 | 15 | 50 | 650000 | 3750.0  | CP-OFDM<br>QPSK         | 1@268  | 20.82 | 17.11 | 0.0514 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>PI/2 BPSK | 135@67 | 22.46 | 18.75 | 0.0750 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 22.19 | 18.48 | 0.0705 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@268  | 22.37 | 18.66 | 0.0735 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>QPSK      | 135@67 | 22.45 | 18.74 | 0.0748 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>QPSK      | 1@1    | 22.2  | 18.49 | 0.0706 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>QPSK      | 1@268  | 22.33 | 18.62 | 0.0728 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>16 QAM    | 135@67 | 21.48 | 17.77 | 0.0598 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>16 QAM    | 1@1    | 21.24 | 17.53 | 0.0566 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>16 QAM    | 1@268  | 21.45 | 17.74 | 0.0594 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>64 QAM    | 135@67 | 19.95 | 16.24 | 0.0421 |

|           |    |    |        |         |                       |        |       |       |        |
|-----------|----|----|--------|---------|-----------------------|--------|-------|-------|--------|
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>64 QAM  | 1@1    | 19.69 | 15.98 | 0.0396 |
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>64 QAM  | 1@268  | 20    | 16.29 | 0.0426 |
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>256 QAM | 135@67 | 17.99 | 14.28 | 0.0268 |
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>256 QAM | 1@1    | 17.86 | 14.15 | 0.0260 |
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>256 QAM | 1@268  | 18.07 | 14.36 | 0.0273 |
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | CP-OFDM<br>QPSK       | 135@67 | 20.92 | 17.21 | 0.0526 |
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | CP-OFDM<br>QPSK       | 1@1    | 20.67 | 16.96 | 0.0497 |
| <b>78</b> | 15 | 50 | 651666 | 3774.99 | CP-OFDM<br>QPSK       | 1@268  | 20.87 | 17.16 | 0.0520 |

# FR1 N78(ANT5) – SCS 30k

## Transmitter Conducted Output Power and EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-3.71dB

| 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 | 22.17                | 18.46      | 0.0701   |
| 78      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM 16 QAM | 1@1 | 21.28                | 17.57      | 0.0571   |
| 78      | 30        | 10              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.49                | 17.78      | 0.0600   |
| 78      | 30        | 10              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.51                | 16.8       | 0.0479   |
| 78      | 30        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK   | 1@1 | 22.23                | 18.52      | 0.0711   |
| 78      | 30        | 10              | 653000 | 3795.0     | DFT-s-OFDM 16 QAM | 1@1 | 21.46                | 17.75      | 0.0596   |
| 78      | 30        | 15              | 647168 | 3707.52    | DFT-s-OFDM QPSK   | 1@1 | 22.15                | 18.44      | 0.0698   |
| 78      | 30        | 15              | 647168 | 3707.52    | DFT-s-OFDM 16 QAM | 1@1 | 21.24                | 17.53      | 0.0566   |
| 78      | 30        | 15              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.46                | 17.75      | 0.0596   |
| 78      | 30        | 15              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.51                | 16.8       | 0.0479   |
| 78      | 30        | 15              | 652832 | 3792.48    | DFT-s-OFDM QPSK   | 1@1 | 22.18                | 18.47      | 0.0703   |
| 78      | 30        | 15              | 652832 | 3792.48    | DFT-s-OFDM 16 QAM | 1@1 | 21.3                 | 17.59      | 0.0574   |
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK   | 1@1 | 22.04                | 18.33      | 0.0681   |
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM 16 QAM | 1@1 | 21.13                | 17.42      | 0.0552   |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.39                | 17.68      | 0.0586   |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.43                | 16.72      | 0.0470   |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM QPSK   | 1@1 | 21.98                | 18.27      | 0.0671   |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM 16 QAM | 1@1 | 21.08                | 17.37      | 0.0546   |
| 78      | 30        | 30              | 647668 | 3715.02    | DFT-s-OFDM QPSK   | 1@1 | 21.96                | 18.25      | 0.0668   |
| 78      | 30        | 30              | 647668 | 3715.02    | DFT-s-OFDM 16 QAM | 1@1 | 21.05                | 17.34      | 0.0542   |
| 78      | 30        | 30              | 650000 | 3750.0     | DFT-s-OFDM QPSK   | 1@1 | 21.31                | 17.6       | 0.0575   |
| 78      | 30        | 30              | 650000 | 3750.0     | DFT-s-OFDM 16 QAM | 1@1 | 20.35                | 16.64      | 0.0461   |
| 78      | 30        | 30              | 652332 | 3784.98    | DFT-s-OFDM QPSK   | 1@1 | 21.51                | 17.8       | 0.0603   |
| 78      | 30        | 30              | 652332 | 3784.98    | DFT-s-OFDM 16 QAM | 1@1 | 20.61                | 16.9       | 0.0490   |
| 78      | 30        | 40              | 648000 | 3720.0     | DFT-s-OFDM QPSK   | 1@1 | 21.73                | 18.02      | 0.0634   |

|    |    |    |        |         |                      |     |       |       |        |
|----|----|----|--------|---------|----------------------|-----|-------|-------|--------|
| 78 | 30 | 40 | 648000 | 3720.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.78 | 17.07 | 0.0509 |
| 78 | 30 | 40 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.07 | 17.36 | 0.0545 |
| 78 | 30 | 40 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.14 | 16.43 | 0.0440 |
| 78 | 30 | 40 | 652000 | 3780.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.18 | 17.47 | 0.0558 |
| 78 | 30 | 40 | 652000 | 3780.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.25 | 16.54 | 0.0451 |
| 78 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>QPSK   | 1@1 | 22.01 | 18.3  | 0.0676 |
| 78 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>16 QAM | 1@1 | 21.13 | 17.42 | 0.0552 |
| 78 | 30 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.39 | 17.68 | 0.0586 |
| 78 | 30 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.5  | 16.79 | 0.0478 |
| 78 | 30 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>QPSK   | 1@1 | 21.32 | 17.61 | 0.0577 |
| 78 | 30 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>16 QAM | 1@1 | 20.41 | 16.7  | 0.0468 |
| 78 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>QPSK   | 1@1 | 21.91 | 18.2  | 0.0661 |
| 78 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>16 QAM | 1@1 | 20.97 | 17.26 | 0.0532 |
| 78 | 30 | 60 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.45 | 17.74 | 0.0594 |
| 78 | 30 | 60 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.53 | 16.82 | 0.0481 |
| 78 | 30 | 60 | 651332 | 3769.98 | DFT-s-OFDM<br>QPSK   | 1@1 | 21.18 | 17.47 | 0.0558 |
| 78 | 30 | 60 | 651332 | 3769.98 | DFT-s-OFDM<br>16 QAM | 1@1 | 20.29 | 16.58 | 0.0455 |
| 78 | 30 | 70 | 649000 | 3735.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.96 | 18.25 | 0.0668 |
| 78 | 30 | 70 | 649000 | 3735.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 21.09 | 17.38 | 0.0547 |
| 78 | 30 | 70 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.53 | 17.82 | 0.0605 |
| 78 | 30 | 70 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.67 | 16.96 | 0.0497 |
| 78 | 30 | 70 | 651000 | 3765.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.29 | 17.58 | 0.0573 |
| 78 | 30 | 70 | 651000 | 3765.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.37 | 16.66 | 0.0463 |
| 78 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>QPSK   | 1@1 | 21.86 | 18.15 | 0.0653 |
| 78 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>16 QAM | 1@1 | 20.95 | 17.24 | 0.0530 |
| 78 | 30 | 80 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK   | 1@1 | 21.63 | 17.92 | 0.0619 |
| 78 | 30 | 80 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM | 1@1 | 20.72 | 17.01 | 0.0502 |
| 78 | 30 | 80 | 650666 | 3759.99 | DFT-s-OFDM<br>QPSK   | 1@1 | 21.38 | 17.67 | 0.0585 |
| 78 | 30 | 80 | 650666 | 3759.99 | DFT-s-OFDM<br>16 QAM | 1@1 | 20.38 | 16.67 | 0.0465 |
| 78 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>QPSK   | 1@1 | 21.83 | 18.12 | 0.0649 |
| 78 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>16 QAM | 1@1 | 20.87 | 17.16 | 0.0520 |



|    |    |     |        |         |                         |        |       |       |        |
|----|----|-----|--------|---------|-------------------------|--------|-------|-------|--------|
| 78 | 30 | 90  | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK      | 1@1    | 21.64 | 17.93 | 0.0621 |
| 78 | 30 | 90  | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM    | 1@1    | 20.68 | 16.97 | 0.0498 |
| 78 | 30 | 90  | 650332 | 3754.98 | DFT-s-OFDM<br>QPSK      | 1@1    | 21.51 | 17.8  | 0.0603 |
| 78 | 30 | 90  | 650332 | 3754.98 | DFT-s-OFDM<br>16 QAM    | 1@1    | 20.51 | 16.8  | 0.0479 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>PI/2 BPSK | 135@67 | 22.4  | 18.69 | 0.0740 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 21.86 | 18.15 | 0.0653 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>PI/2 BPSK | 1@271  | 21.99 | 18.28 | 0.0673 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK      | 135@67 | 22.41 | 18.7  | 0.0741 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK      | 1@1    | 21.9  | 18.19 | 0.0659 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK      | 1@271  | 22.04 | 18.33 | 0.0681 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM    | 135@67 | 21.39 | 17.68 | 0.0586 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM    | 1@1    | 20.88 | 17.17 | 0.0521 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>16 QAM    | 1@271  | 20.99 | 17.28 | 0.0535 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>64 QAM    | 135@67 | 19.9  | 16.19 | 0.0416 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>64 QAM    | 1@1    | 19.38 | 15.67 | 0.0369 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>64 QAM    | 1@271  | 19.61 | 15.9  | 0.0389 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>256 QAM   | 135@67 | 17.93 | 14.22 | 0.0264 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>256 QAM   | 1@1    | 17.63 | 13.92 | 0.0247 |
| 78 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>256 QAM   | 1@271  | 17.59 | 13.88 | 0.0244 |
| 78 | 30 | 100 | 650000 | 3750.0  | CP-OFDM<br>QPSK         | 137@68 | 20.87 | 17.16 | 0.0520 |
| 78 | 30 | 100 | 650000 | 3750.0  | CP-OFDM<br>QPSK         | 1@1    | 20.36 | 16.65 | 0.0462 |
| 78 | 30 | 100 | 650000 | 3750.0  | CP-OFDM<br>QPSK         | 1@271  | 20.5  | 16.79 | 0.0478 |



## 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.

| n41 SA / NR 100MHz / QPSK(ANT4) |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                          | 5091              | -65.26       | -25           | -40.26            | -75.47             | 3.03                 | 13.24                 | H                  |
|                                 | 7626              | -57.26       | -25           | -32.26            | -66.71             | 3.56                 | 13.01                 | H                  |
|                                 | 10174             | -49.58       | -25           | -24.58            | -59.10             | 3.92                 | 13.44                 | H                  |
|                                 | 5091              | -66.02       | -25           | -41.02            | -76.23             | 3.03                 | 13.24                 | V                  |
|                                 | 7626              | -57.88       | -25           | -32.88            | -67.33             | 3.56                 | 13.01                 | V                  |
|                                 | 10174             | -47.21       | -25           | -22.21            | -56.73             | 3.92                 | 13.44                 | V                  |

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

| 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) |
| Middle                          | 7596              | -61.41       | -13           | -48.41            | -71.62             | 3.03                 | 13.24                 | H                  |
|                                 | 11388             | -60.84       | -13           | -47.84            | -70.29             | 3.56                 | 13.01                 | H                  |
|                                 | 15180             | -59.12       | -13           | -46.12            | -68.64             | 3.92                 | 13.44                 | H                  |
|                                 | 7596              | -61.38       | -13           | -48.38            | -71.59             | 3.03                 | 13.24                 | V                  |
|                                 | 11388             | -60.92       | -13           | -47.92            | -70.37             | 3.56                 | 13.01                 | V                  |
|                                 | 15180             | -59.78       | -13           | -46.78            | -69.30             | 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 (ANT1+5) |                   |              |               |                   |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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   | 7596              | -60.61       | -13           | -47.61            | -70.82             | 3.03                 | 13.24                 | H                  |
|  | 11388             | -59.87       | -13           | -46.87            | -69.32             | 3.56                 | 13.01                 | H                  |
|  | 15180             | -59.07       | -13           | -46.07            | -68.59             | 3.92                 | 13.44                 | H                  |
|  | 7596              | -60.45       | -13           | -47.45            | -70.66             | 3.03                 | 13.24                 | V                  |
|  | 11388             | -59.79       | -13           | -46.79            | -69.24             | 3.56                 | 13.01                 | V                  |
|  | 15180             | -59.12       | -13           | -46.12            | -68.64             | 3.92                 | 13.44                 | V                  |

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