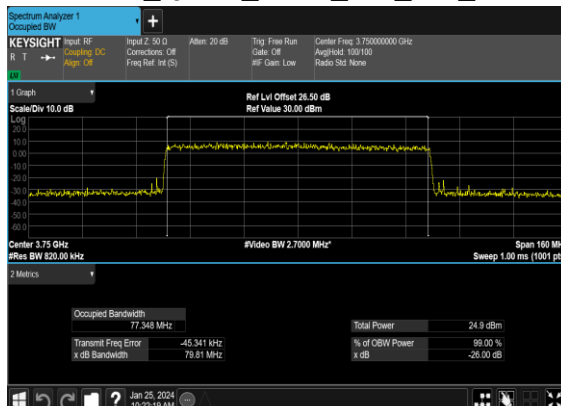
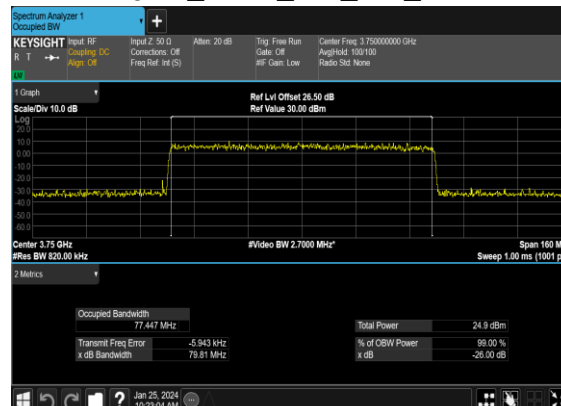


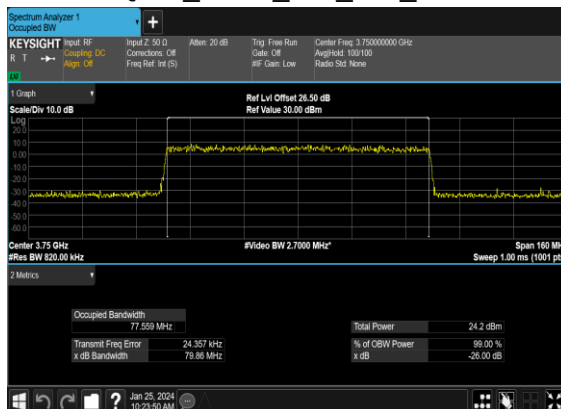
## N78(80M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



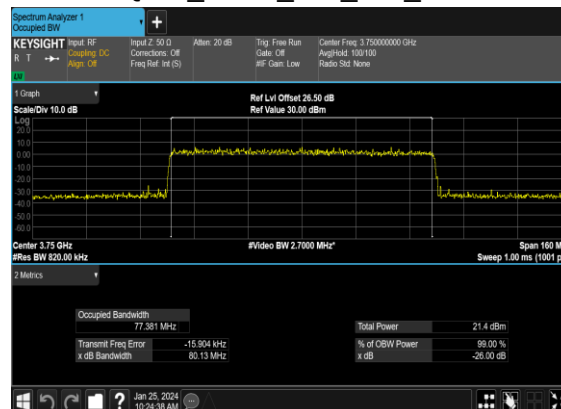
## N78(80M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



## N78(80M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



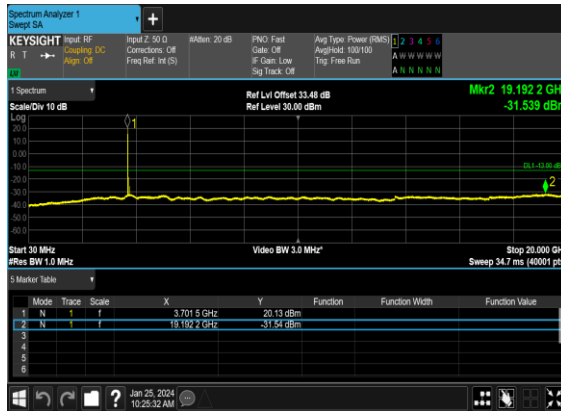
## N78(80M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



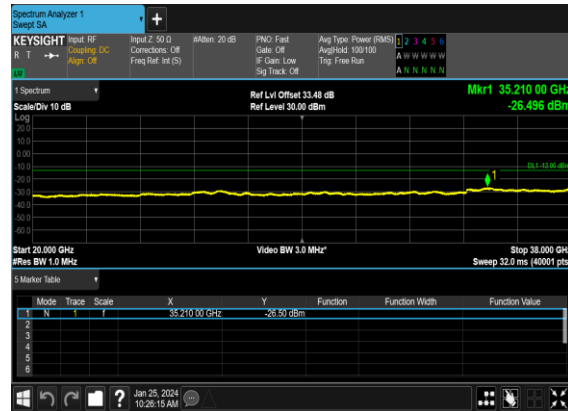
## Conducted Spurious Emissions

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 78      | 30        | 80              | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 78      | 30        | 80              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |

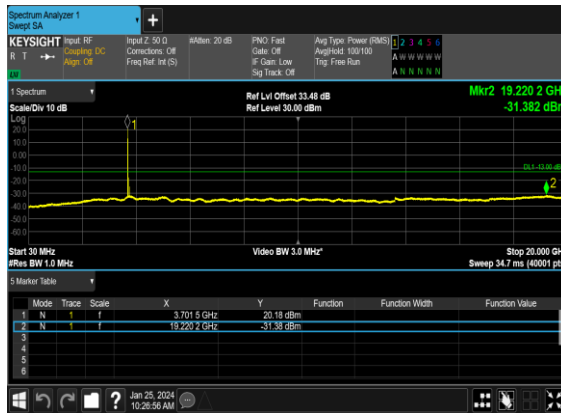
N78(80M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



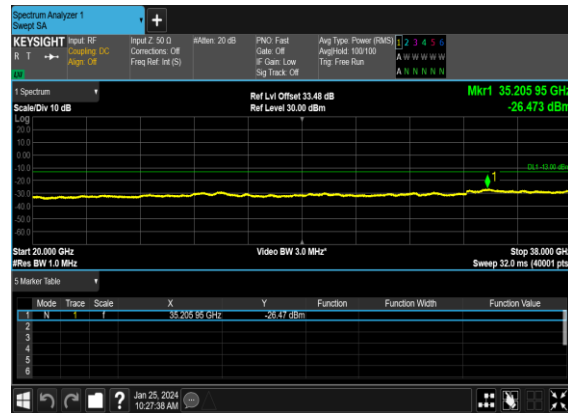
N78(80M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



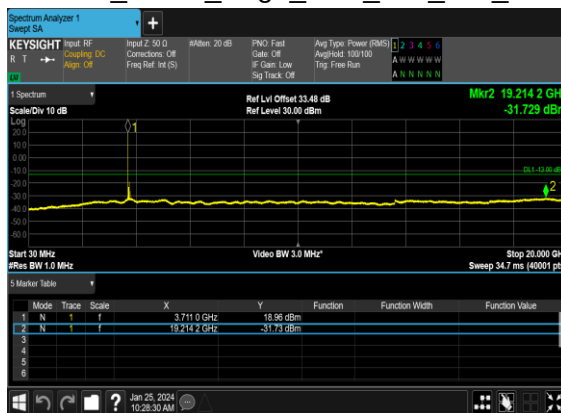
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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



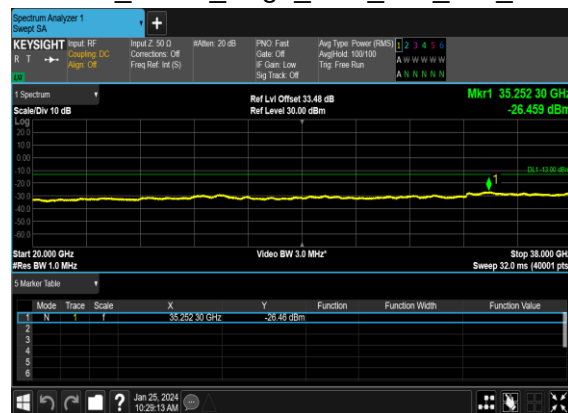
N78(80M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



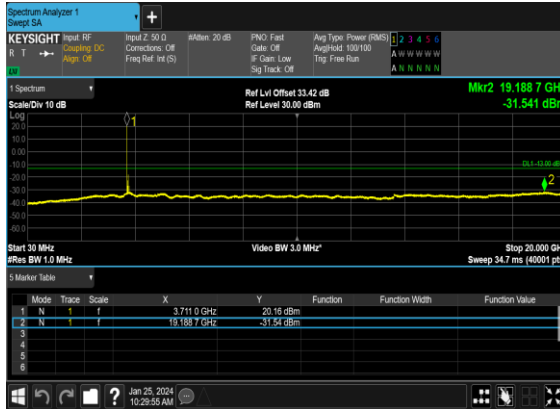
N78(80M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



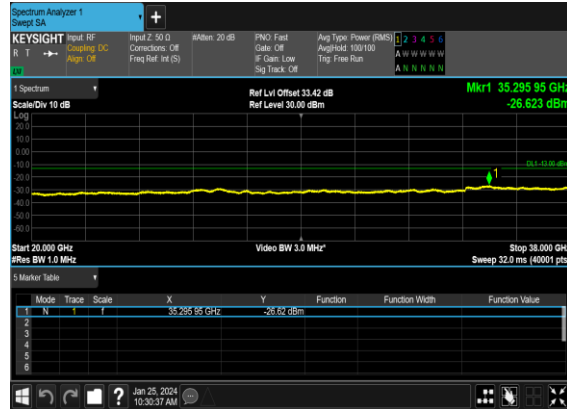
N78(80M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



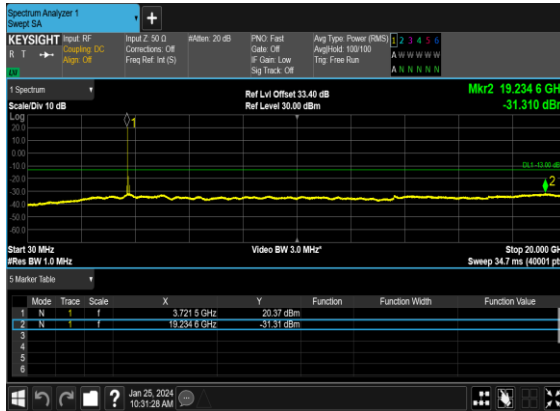
# N78(80M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



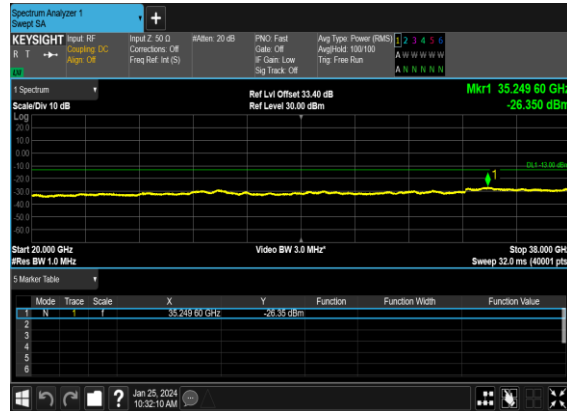
# N78(80M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



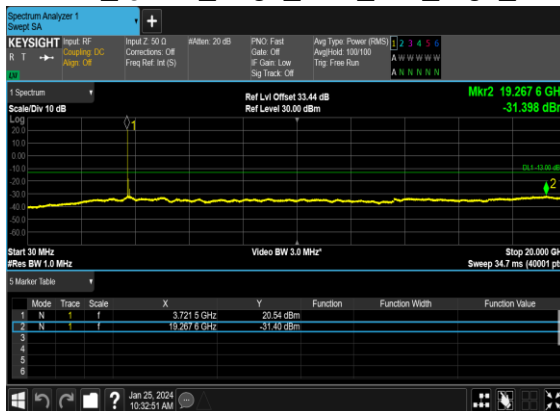
# N78(80M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



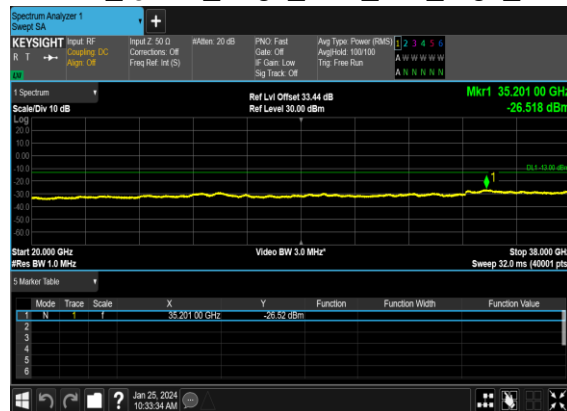
# N78(80M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



# N78(80M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



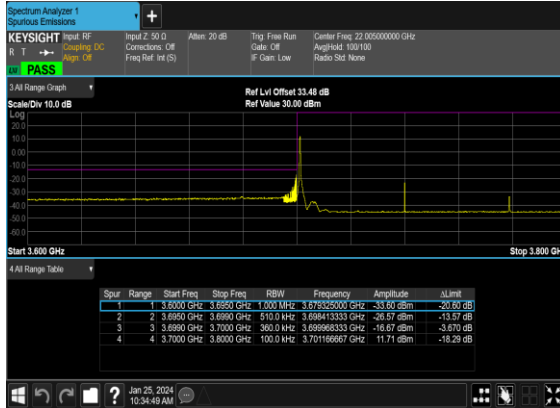
# N78(80M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



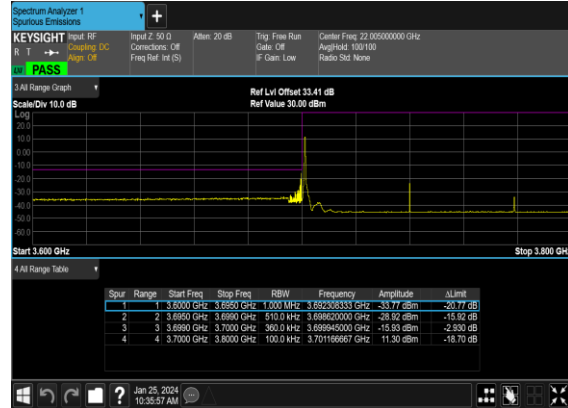
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM BPSK | 216@0 | see graph | PASS    |
| 78      | 30        | 80              | 649334 | 3740.01    | DFT-s-OFDM QPSK | 216@0 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM BPSK | 1@216 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM QPSK | 1@216 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM BPSK | 216@0 | see graph | PASS    |
| 78      | 30        | 80              | 650666 | 3759.99    | DFT-s-OFDM QPSK | 216@0 | see graph | PASS    |

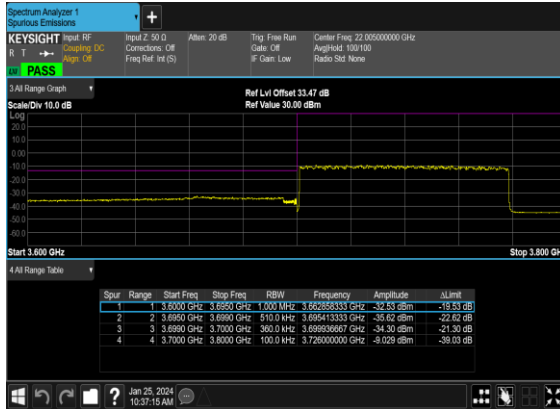
N78(80M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



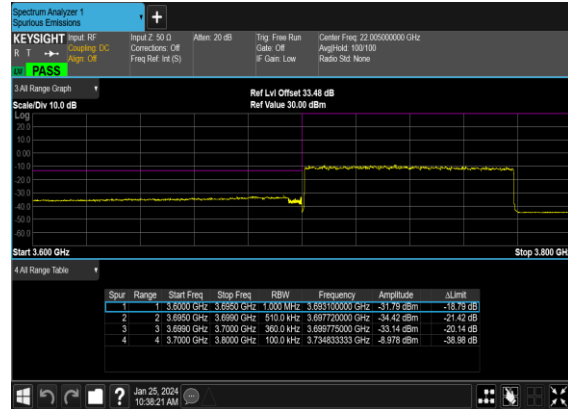
N78(80M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



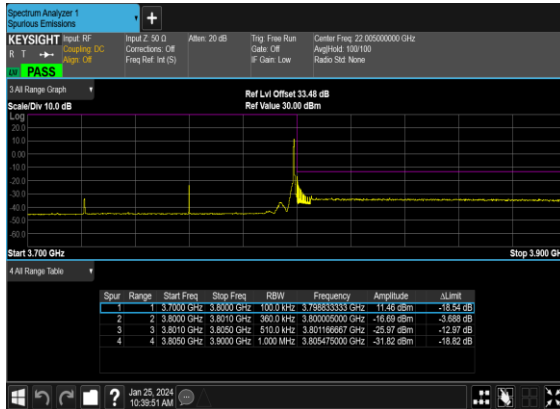
N78(80M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



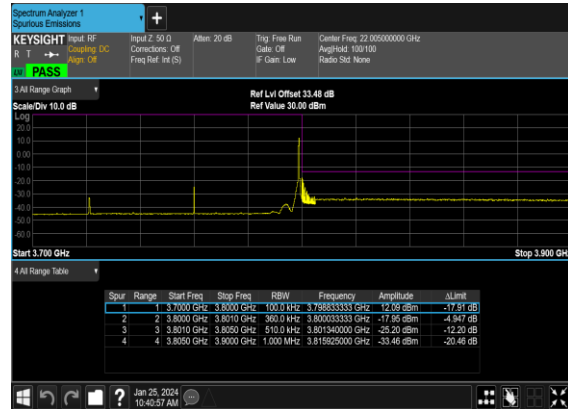
N78(80M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



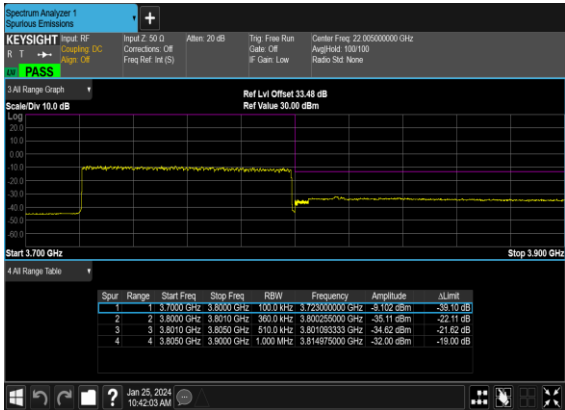
N78(80M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



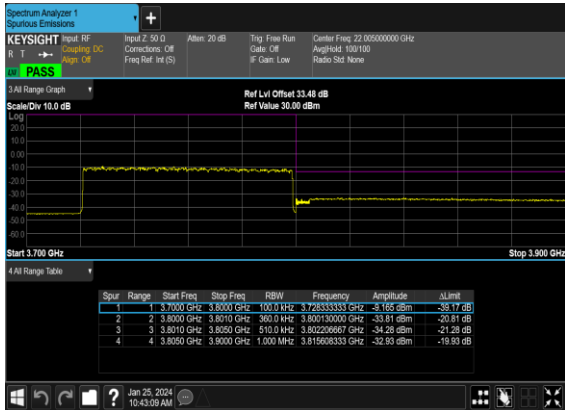
N78(80M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N78(80M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



N78(80M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH





## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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

| EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(Ant.0+0) |                   |              |               |                   |                    |                      |                       |                    |
|--------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                                 | 7584              | -58.59       | -13           | -45.59            | -68.80             | 3.03                 | 13.24                 | H                  |
|                                                        | 11376             | -51.23       | -13           | -38.23            | -60.68             | 3.56                 | 13.01                 | H                  |
|                                                        | 15180             | -60.13       | -13           | -47.13            | -69.65             | 3.92                 | 13.44                 | H                  |
|                                                        | 7584              | -56.87       | -13           | -43.87            | -67.08             | 3.03                 | 13.24                 | V                  |
|                                                        | 11376             | -54.17       | -13           | -41.17            | -63.62             | 3.56                 | 13.01                 | V                  |
|                                                        | 15180             | -60.24       | -13           | -47.24            | -69.76             | 3.92                 | 13.44                 | V                  |

| EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK(Ant.0+0) |                   |              |               |                   |                    |                      |                       |                    |
|--------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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              | -56.67       | -13           | -43.67            | -66.88             | 3.03                 | 13.24                 | H                  |
|                                                        | 11100             | -48.35       | -13           | -35.35            | -57.80             | 3.56                 | 13.01                 | H                  |
|                                                        | 14820             | -58.65       | -13           | -45.65            | -68.17             | 3.92                 | 13.44                 | H                  |
|                                                        | 7404              | -52.21       | -13           | -39.21            | -62.42             | 3.03                 | 13.24                 | V                  |
|                                                        | 11100             | -50.94       | -13           | -37.94            | -60.39             | 3.56                 | 13.01                 | V                  |
|                                                        | 14820             | -58.99       | -13           | -45.99            | -68.51             | 3.92                 | 13.44                 | V                  |

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