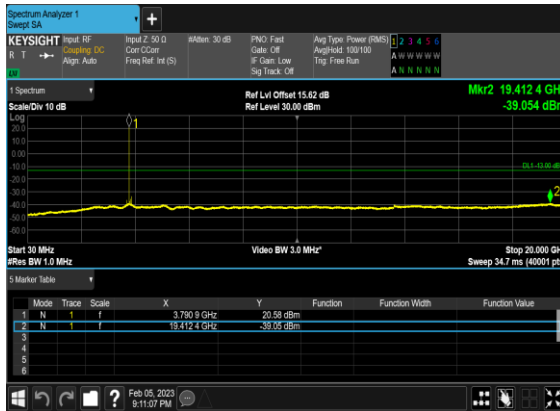
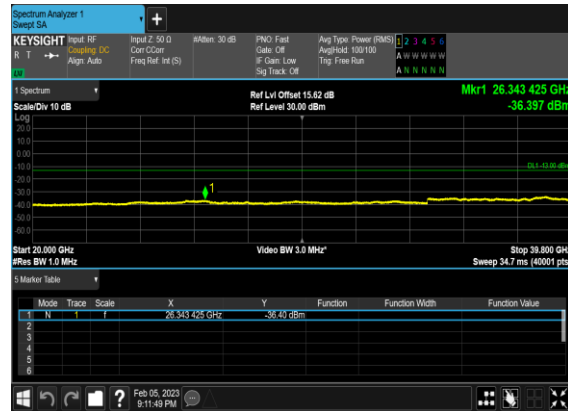


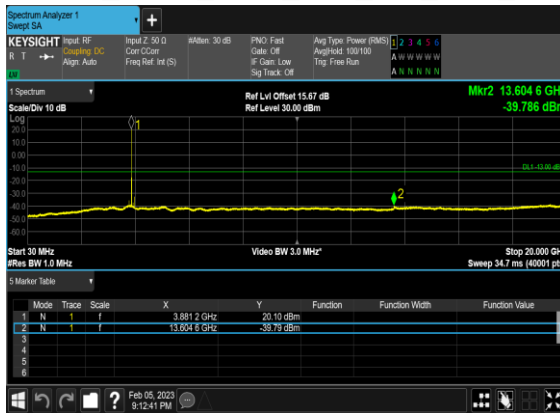
N77(100M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



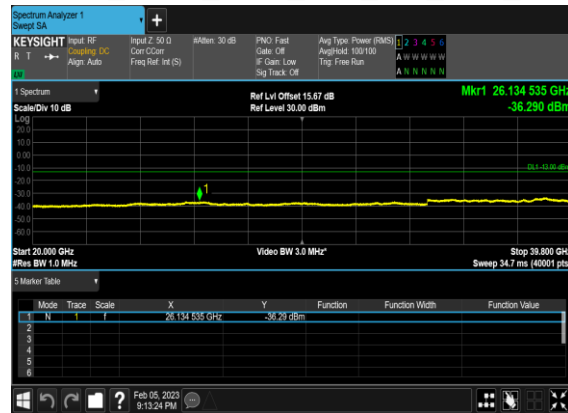
N77(100M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



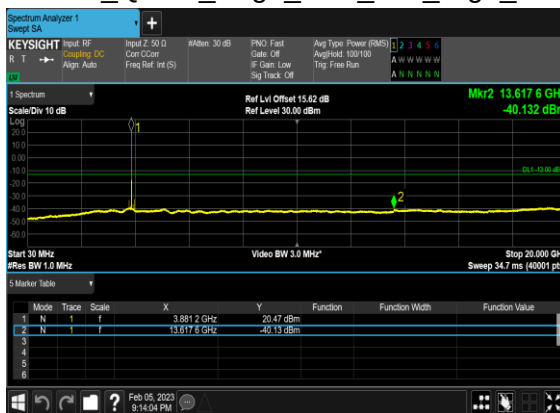
N77(100M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



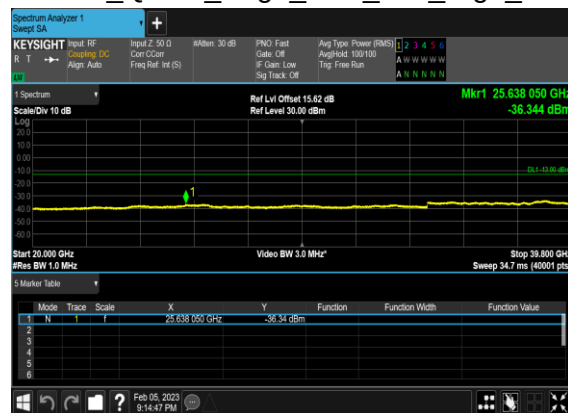
N77(100M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



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



N77(100M)\_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 |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM BPSK | 1@50  | see graph | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM QPSK | 1@50  | see graph | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 77      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM BPSK | 162@0 | see graph | PASS    |
| 77      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM QPSK | 162@0 | see graph | PASS    |
| 77      | 30        | 60              | 663332 | 3949.98    | DFT-s-OFDM BPSK | 1@161 | see graph | PASS    |
| 77      | 30        | 60              | 663332 | 3949.98    | DFT-s-OFDM QPSK | 1@161 | see graph | PASS    |
| 77      | 30        | 60              | 663332 | 3949.98    | DFT-s-OFDM BPSK | 162@0 | see graph | PASS    |
| 77      | 30        | 60              | 663332 | 3949.98    | DFT-s-OFDM QPSK | 162@0 | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM BPSK | 270@0 | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM QPSK | 270@0 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM BPSK | 1@272 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM QPSK | 1@272 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM BPSK | 270@0 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM QPSK | 270@0 | see graph | PASS    |

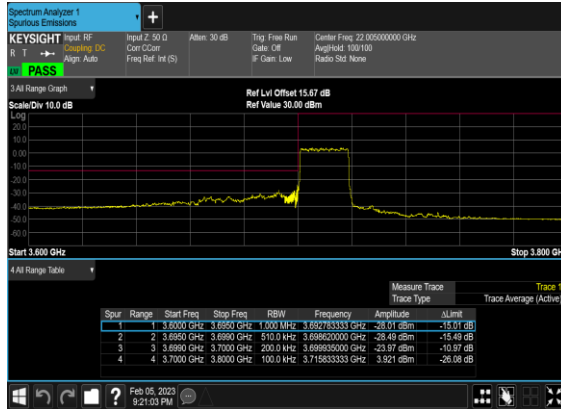
N77(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



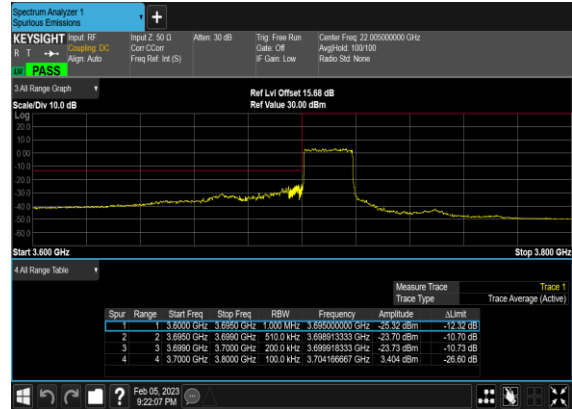
N77(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



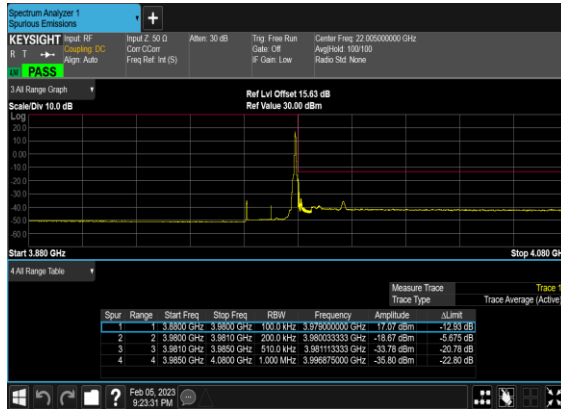
N77(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



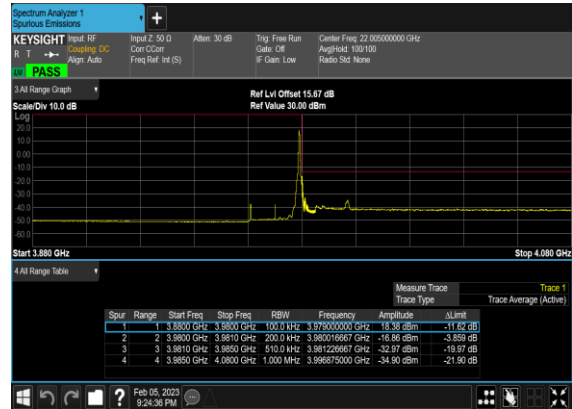
N77(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



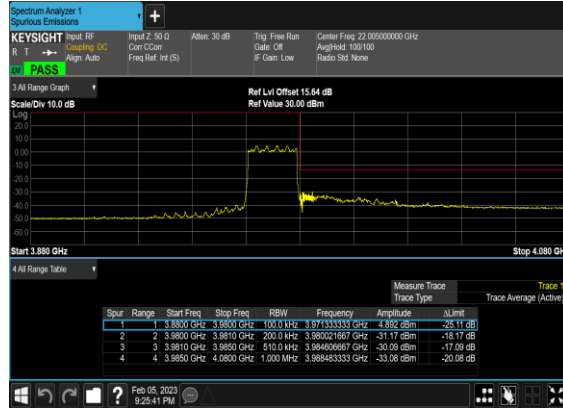
N77(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N77(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



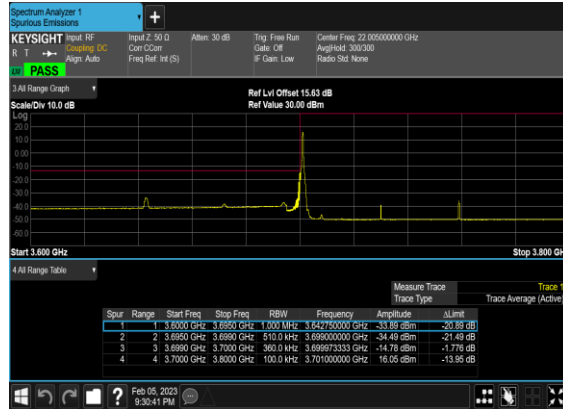
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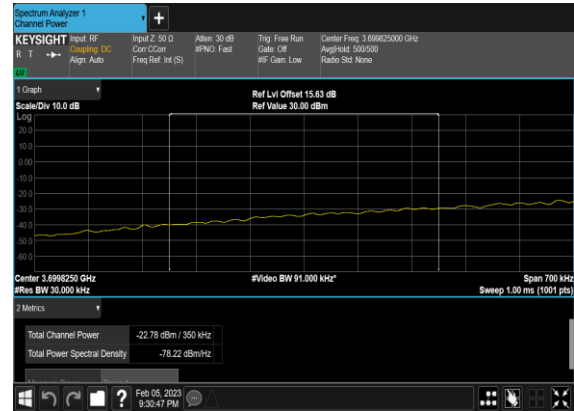
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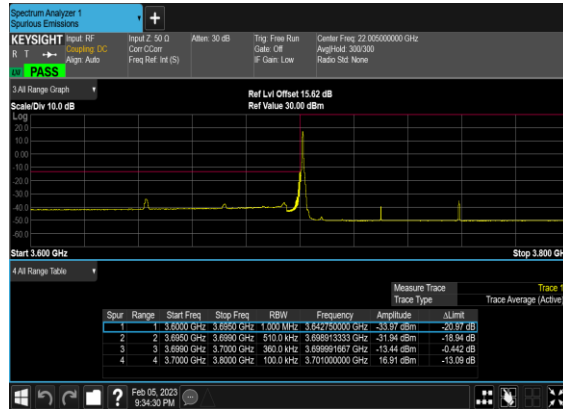
## N77(60M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



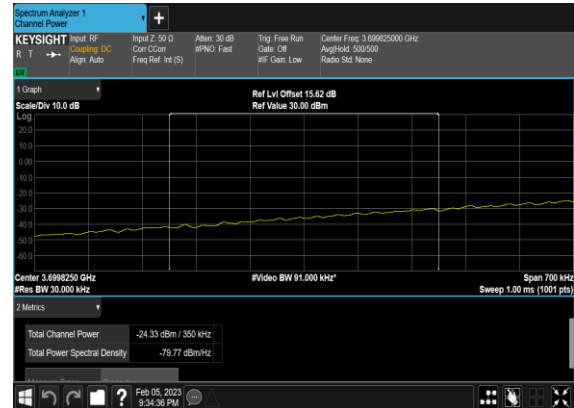
## N77(60M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_ PASS



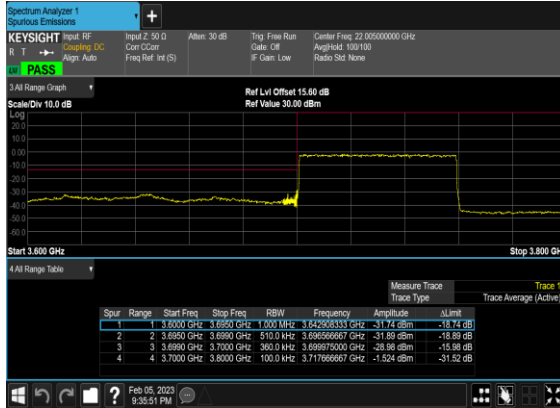
## N77(60M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



## N77(60M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_ PASS



N77(60M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



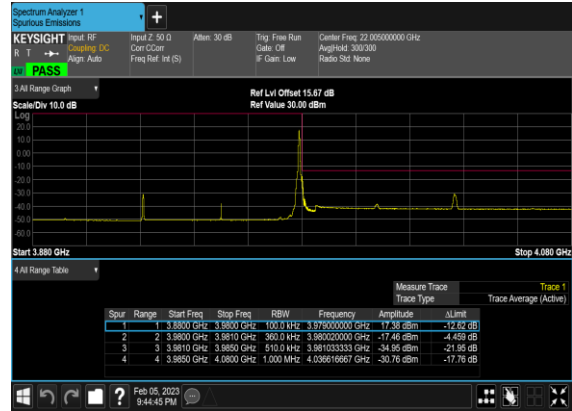
N77(60M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



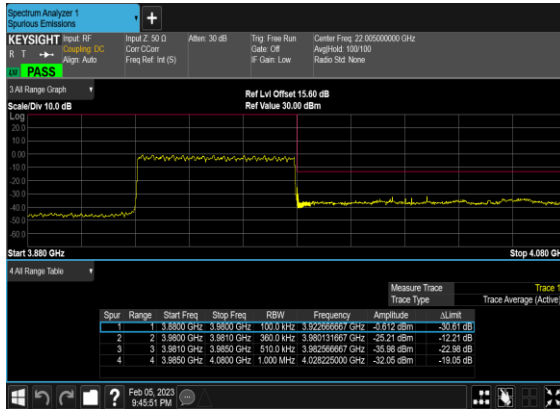
N77(60M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



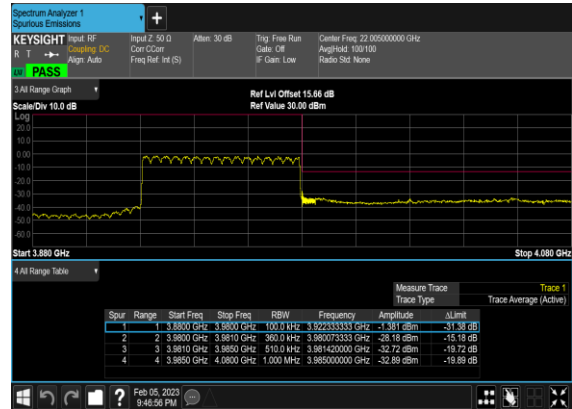
N77(60M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N77(60M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



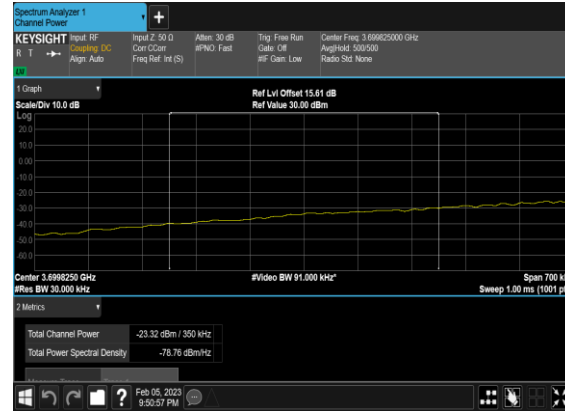
N77(60M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



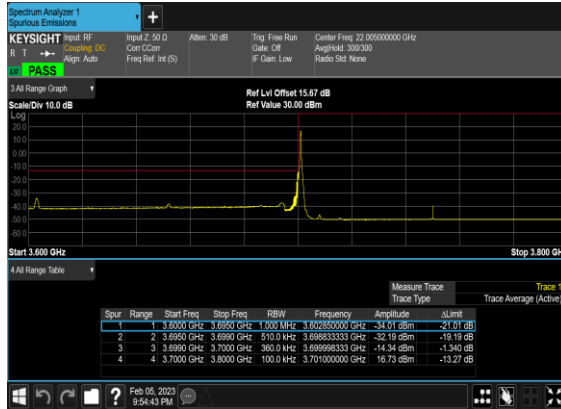
# N77(100M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



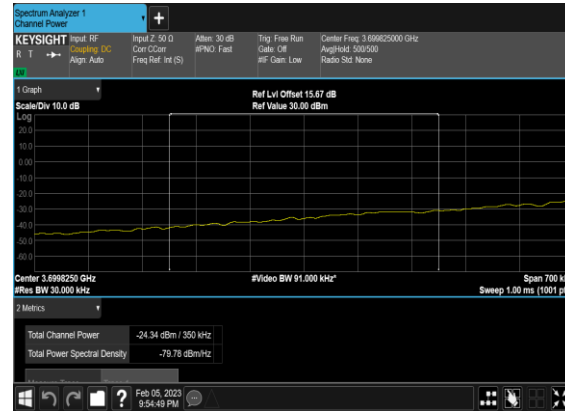
# N77(100M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_chp\_ PASS



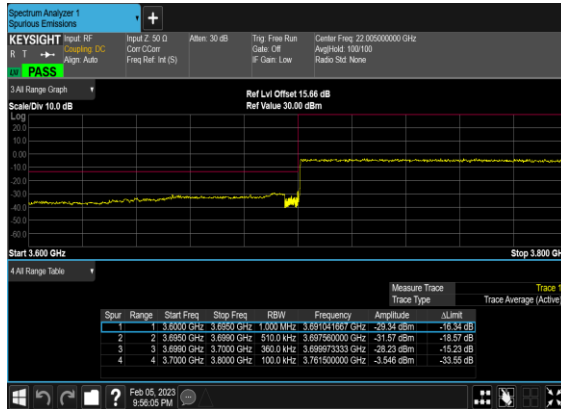
# N77(100M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



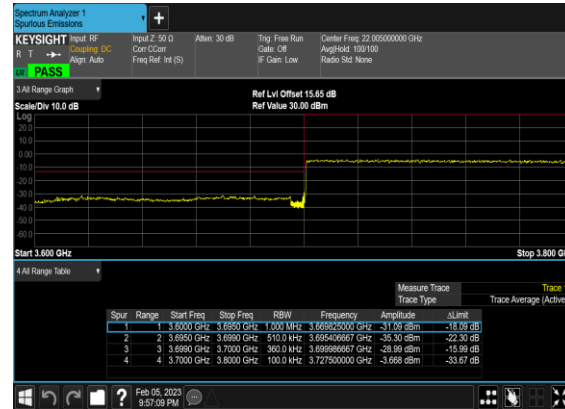
# N77(100M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_chp\_ PASS



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



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



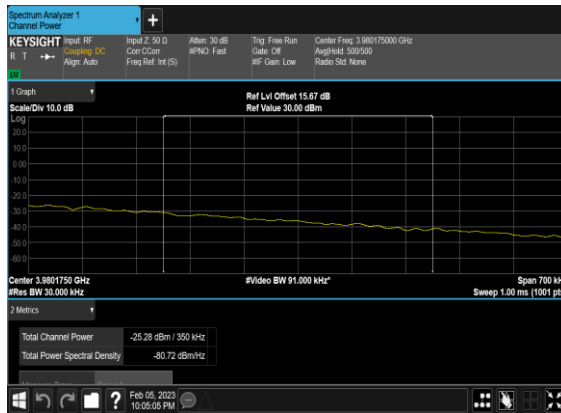
## N77(100M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



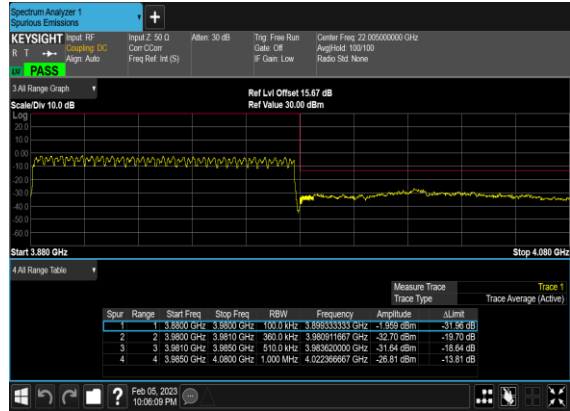
## N77(100M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



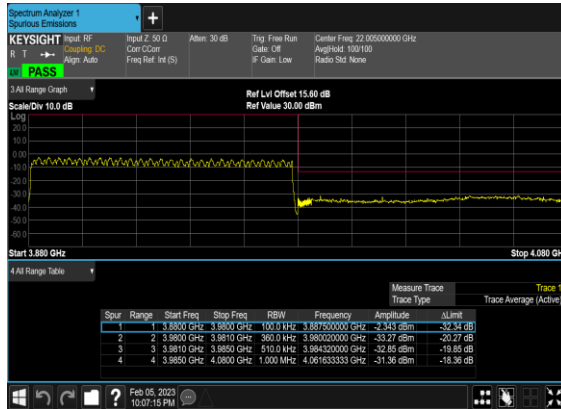
## N77(100M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_PASS



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



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





## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

| SA n77 / NR 100MHz / QPSK / ANT8 |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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              | -58.22       | -13           | -45.22            | -66.53            | -61.52             | 8.30                 | 11.60                 | H                  |
|                                  | 11373             | -54.73       | -13           | -41.73            | -69.07            | -56.25             | 10.48                | 12.00                 | H                  |
|                                  | 15164             | -51.53       | -13           | -38.53            | -69.62            | -53.23             | 11.80                | 13.50                 | H                  |
|                                  | 7582              | -58.08       | -13           | -45.08            | -66.39            | -61.38             | 8.30                 | 11.60                 | V                  |
|                                  | 11373             | -50.07       | -13           | -37.07            | -68.49            | -51.59             | 10.48                | 12.00                 | V                  |
|                                  | 15164             | -51.71       | -13           | -38.71            | -69.79            | -53.41             | 11.80                | 13.50                 | V                  |

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

| EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT1 (LTE) & ANT8(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) |
| NR n77 Middle                                                         | 7582              | -57.54       | -13           | -44.54            | -65.85            | -60.84             | 8.30                 | 11.60                 | H                  |
|                                                                       | 11373             | -54.63       | -13           | -41.63            | -68.97            | -56.15             | 10.48                | 12.00                 | H                  |
|                                                                       | 15164             | -51.61       | -13           | -38.61            | -69.70            | -53.31             | 11.80                | 13.50                 | H                  |
|                                                                       | 7582              | -57.47       | -13           | -44.47            | -65.78            | -60.77             | 8.30                 | 11.60                 | V                  |
|                                                                       | 11373             | -50.37       | -13           | -37.37            | -68.79            | -51.89             | 10.48                | 12.00                 | V                  |
|                                                                       | 15164             | -51.46       | -13           | -38.46            | -69.54            | -53.16             | 11.80                | 13.50                 | V                  |
| LTE Band30 Middle                                                     | 4611.00           | -57.42       | -40           | -17.42            | -81.98            | -63.67             | 6.45                 | 12.70                 | H                  |
|                                                                       | 6916.50           | -57.78       | -40           | -17.78            | -65.28            | -61.18             | 8.40                 | 11.80                 | H                  |
|                                                                       | 9222.00           | -59.50       | -40           | -19.50            | -69.02            | -61.85             | 9.65                 | 12.00                 | H                  |
|                                                                       | 4611.00           | -56.88       | -40           | -16.88            | -81.57            | -63.13             | 6.45                 | 12.70                 | V                  |
|                                                                       | 6916.50           | -56.94       | -40           | -16.94            | -65.54            | -60.34             | 8.40                 | 11.80                 | V                  |
|                                                                       | 9222.00           | -57.05       | -40           | -17.05            | -68.8             | -59.40             | 9.65                 | 12.00                 | V                  |

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