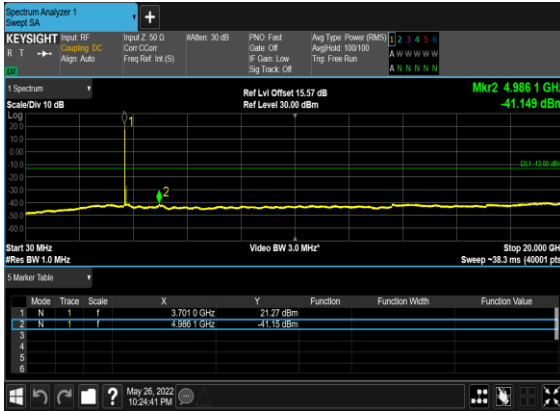
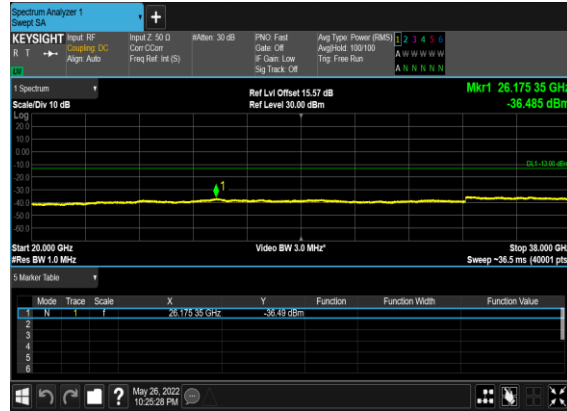


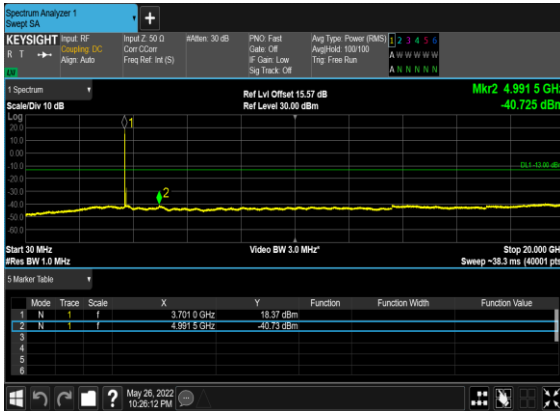
N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



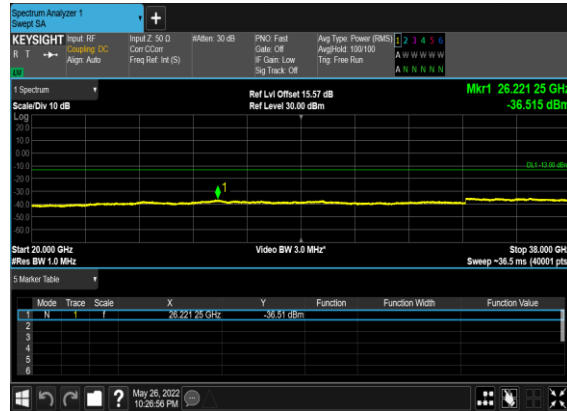
N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



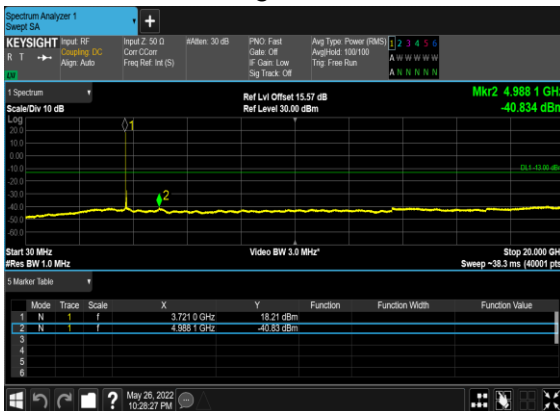
N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



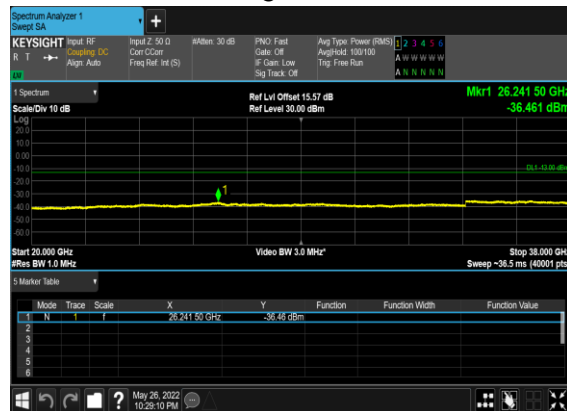
N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



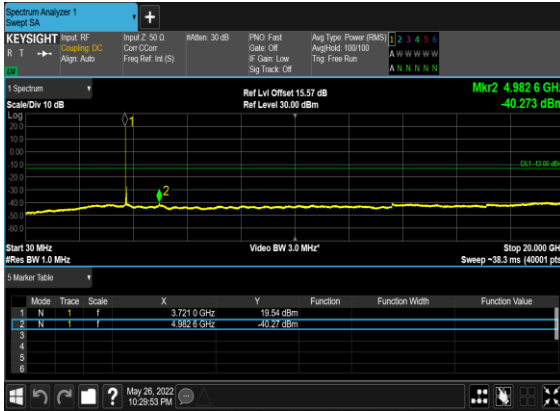
N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



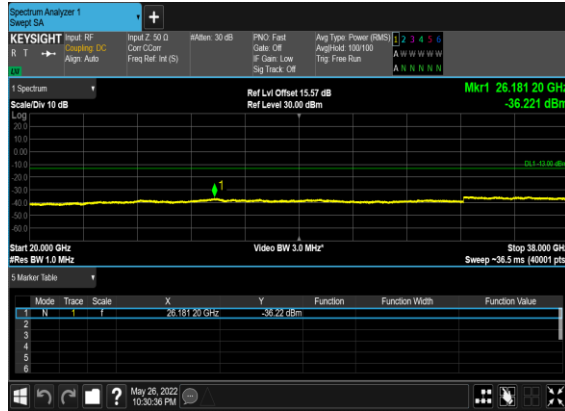
N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



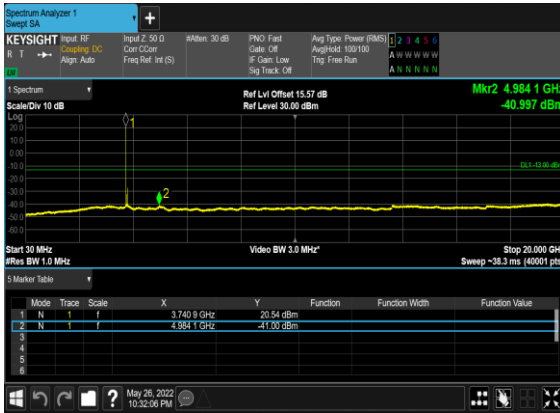
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



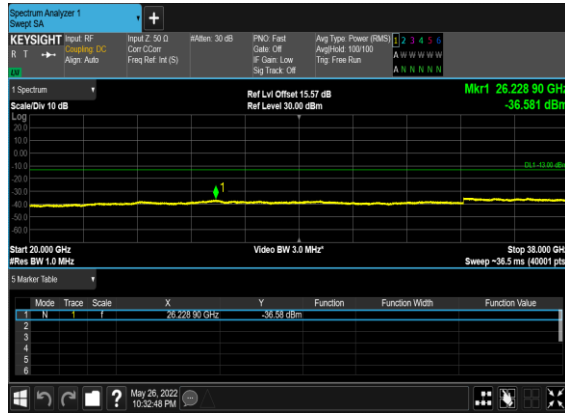
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



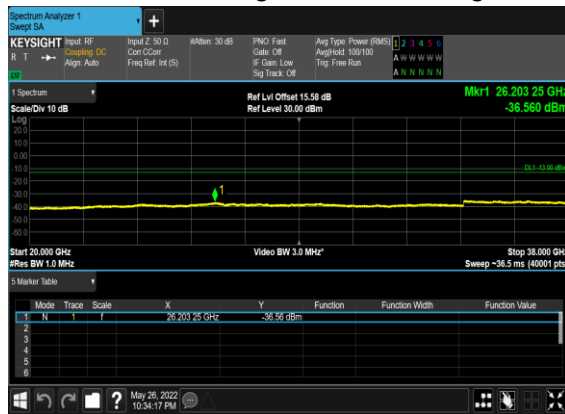
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



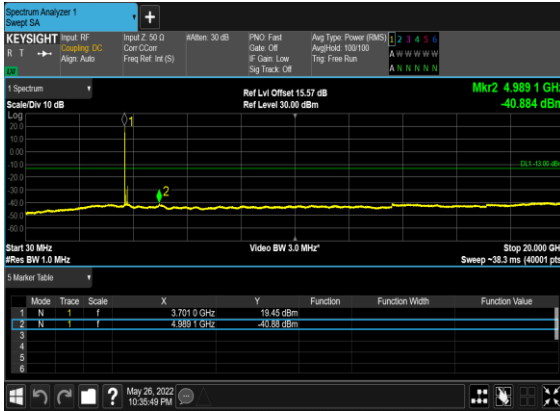
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



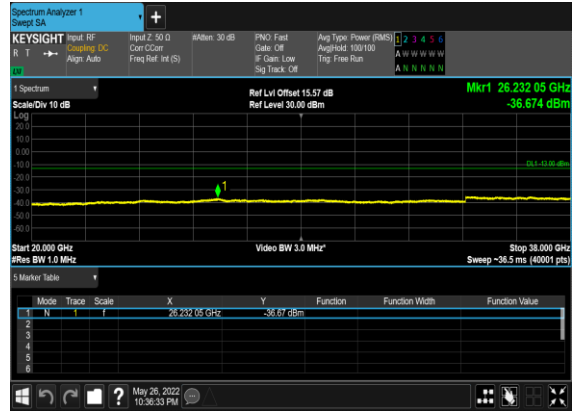
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



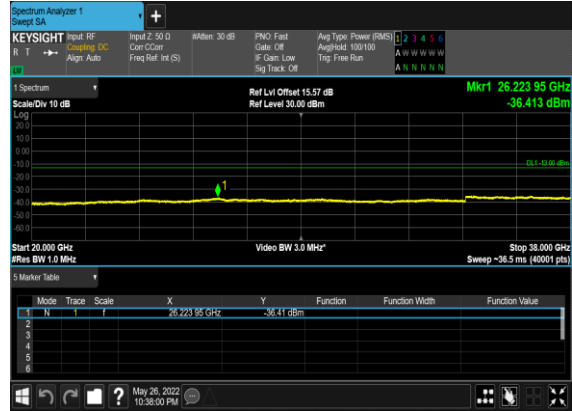
### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



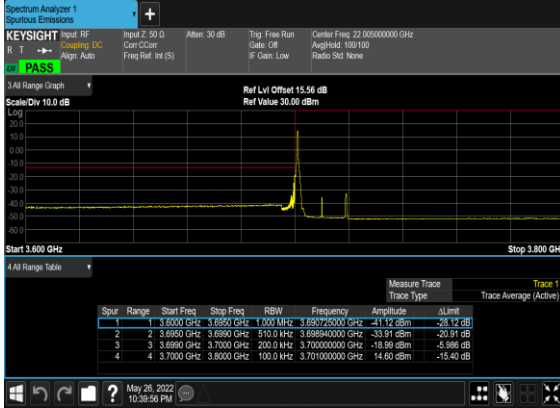
### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



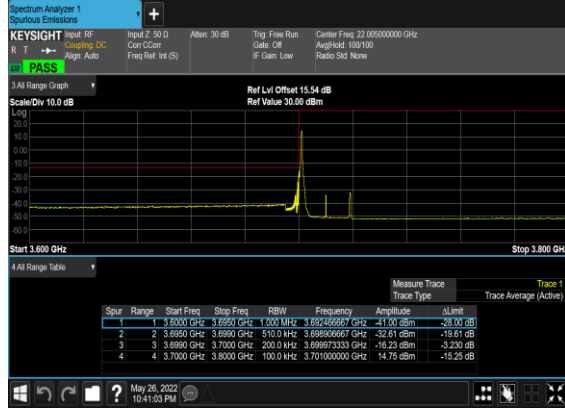
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 78      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM BPSK | 1@50  | see graph | PASS    |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM QPSK | 1@50  | see graph | PASS    |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 78      | 30        | 20              | 652666 | 3789.99    | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 78      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM BPSK | 162@0 | see graph | PASS    |
| 78      | 30        | 60              | 648668 | 3730.02    | DFT-s-OFDM QPSK | 162@0 | see graph | PASS    |
| 78      | 30        | 60              | 651332 | 3769.98    | DFT-s-OFDM BPSK | 1@161 | see graph | PASS    |
| 78      | 30        | 60              | 651332 | 3769.98    | DFT-s-OFDM QPSK | 1@161 | see graph | PASS    |
| 78      | 30        | 60              | 651332 | 3769.98    | DFT-s-OFDM BPSK | 162@0 | see graph | PASS    |
| 78      | 30        | 60              | 651332 | 3769.98    | DFT-s-OFDM QPSK | 162@0 | see graph | PASS    |
| 78      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 78      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@272 | see graph | PASS    |
| 78      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@272 | see graph | PASS    |
| 78      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM BPSK | 270@0 | see graph | PASS    |
| 78      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM QPSK | 270@0 | see graph | PASS    |

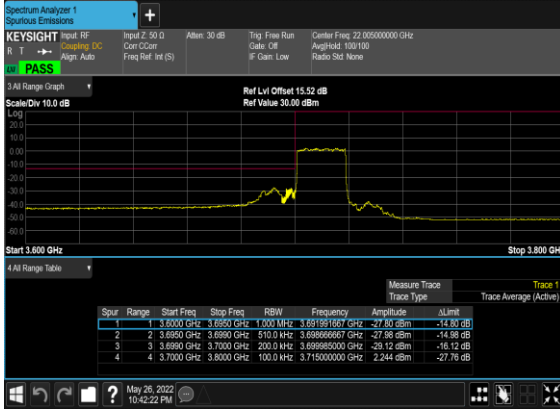
### N78(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



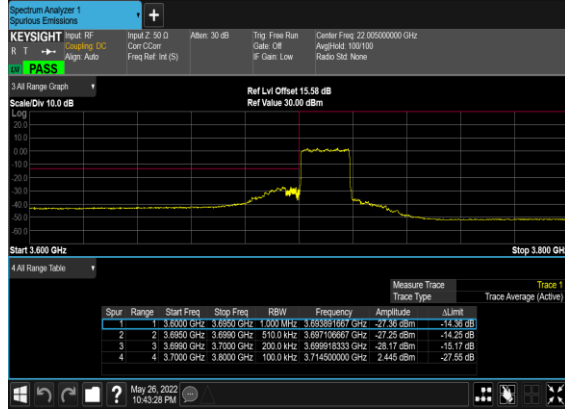
### N78(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



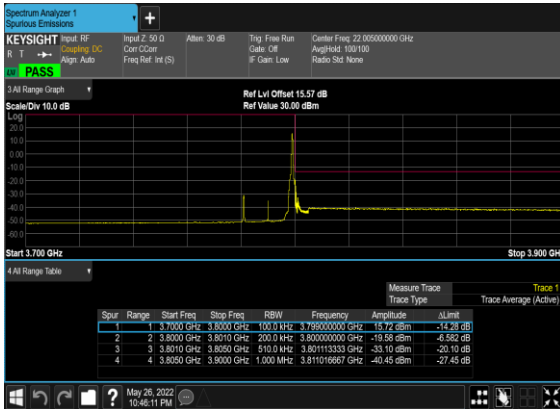
### N78(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



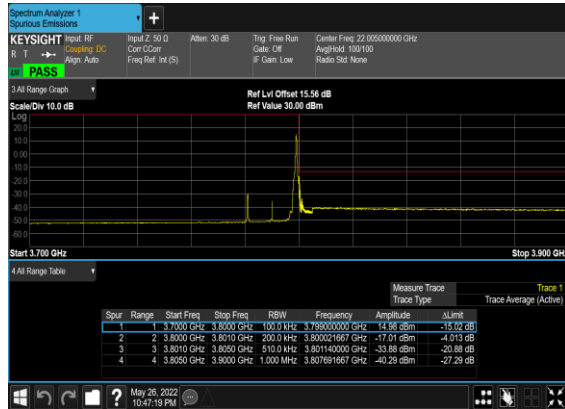
### N78(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



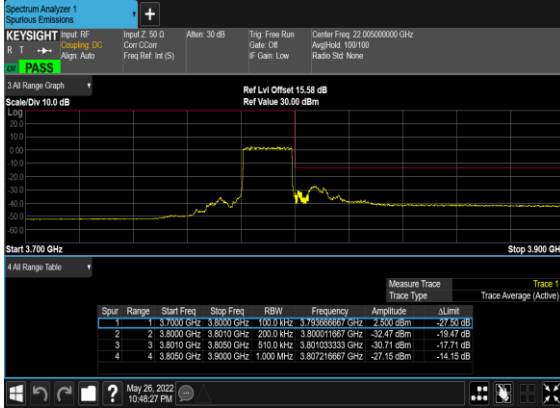
### N78(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



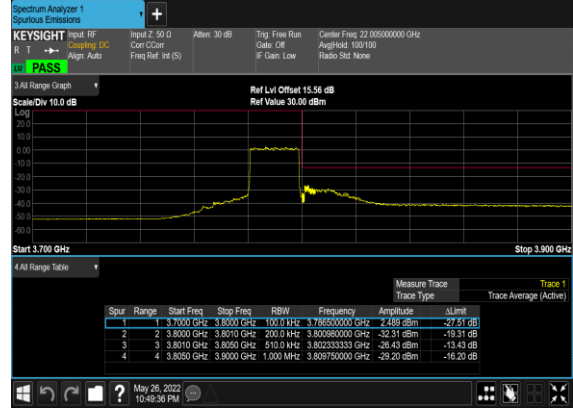
### N78(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



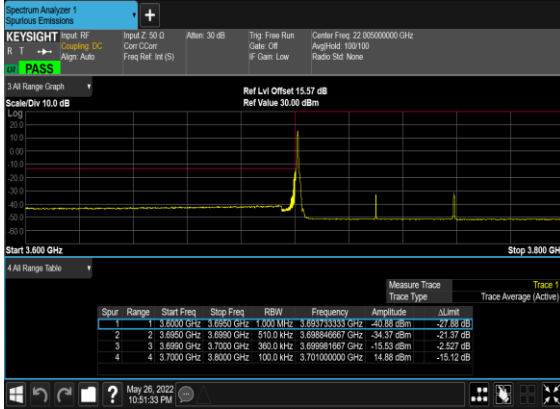
N78(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



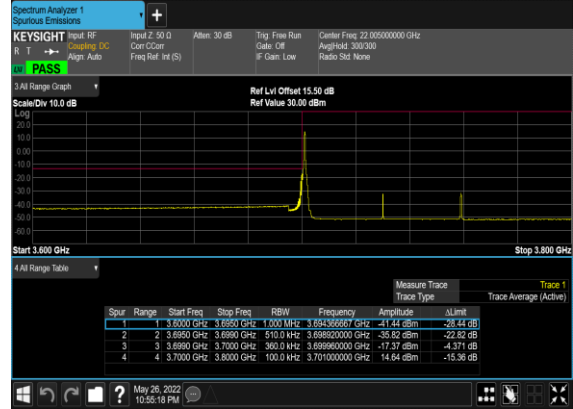
N78(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



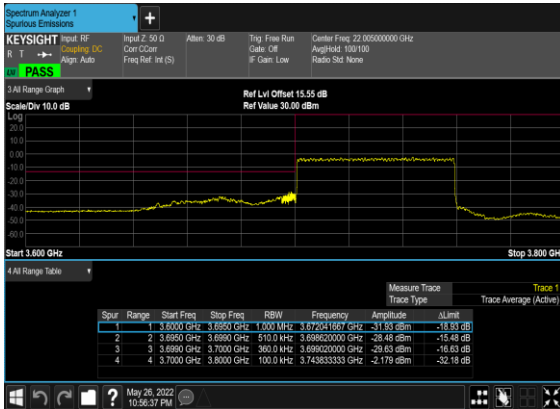
N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



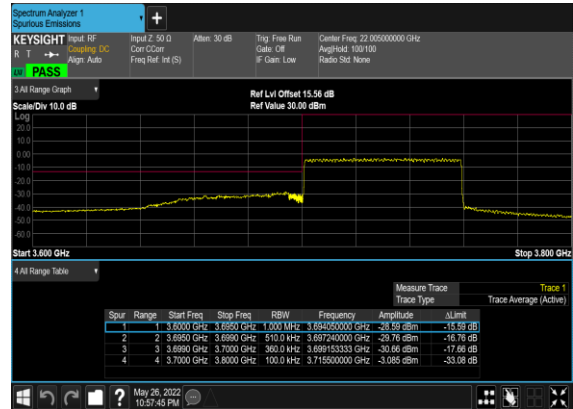
N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



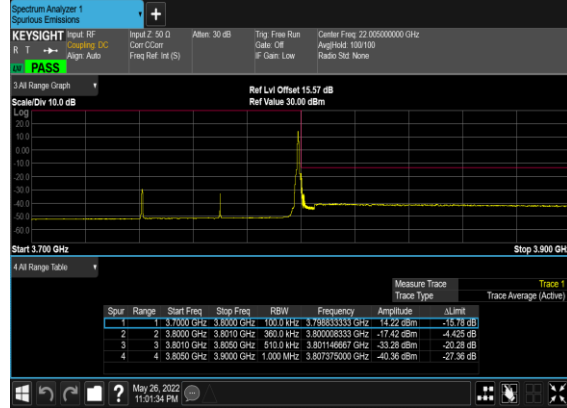
N78(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



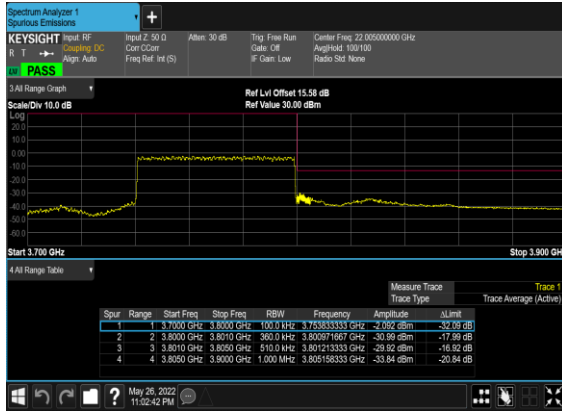
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



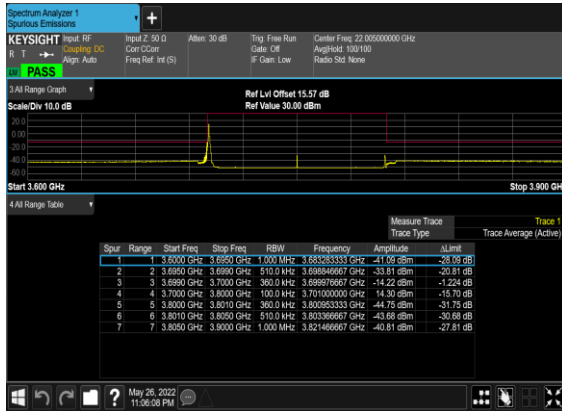
### N78(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



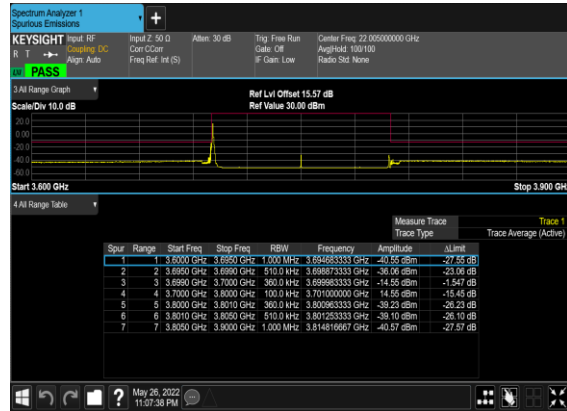
### N78(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



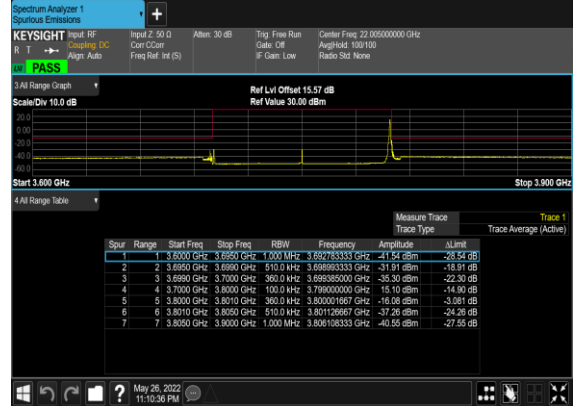
### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



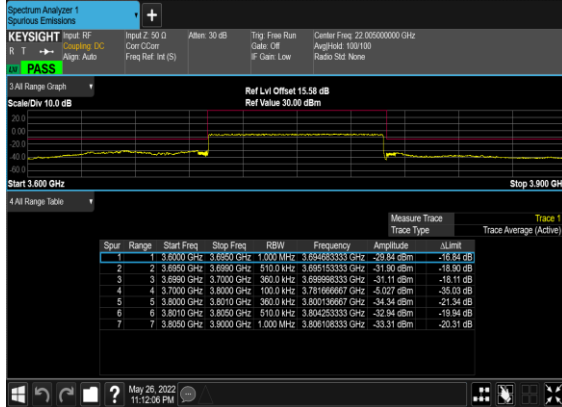
### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



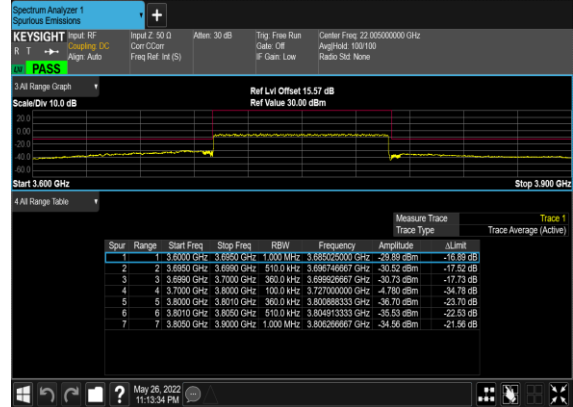
### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



### N78(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



### N78(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH







# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

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

RSE Pre-scanned harmonic for the different antenna and ENDC, we choose the worst antenna mode to test.

| n77 SA / NR 100MHz / QPSK(ANT2) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest                          | 7500.00           | -58.07       | -13           | -45.07            | -66.27            | -61.40             | 8.25                 | 11.58                 | H                  |
|                                 | 11250.00          | -54.40       | -13           | -41.40            | -68.31            | -55.95             | 10.45                | 12.00                 | H                  |
|                                 | 15003.00          | -53.83       | -13           | -40.83            | -70.22            | -55.54             | 11.74                | 13.45                 | H                  |
|                                 | 7500.00           | -58.33       | -13           | -45.33            | -66.52            | -61.66             | 8.25                 | 11.58                 | V                  |
|                                 | 11250.00          | -51.94       | -13           | -38.94            | -68.55            | -53.49             | 10.45                | 12.00                 | V                  |
|                                 | 15003.00          | -53.18       | -13           | -40.18            | -70.29            | -54.89             | 11.74                | 13.45                 | V                  |
| Middle                          | 7582.50           | -53.39       | -13           | -40.39            | -61.33            | -56.69             | 8.30                 | 11.60                 | H                  |
|                                 | 11373.75          | -55.05       | -13           | -42.05            | -69.01            | -56.57             | 10.48                | 12.00                 | H                  |
|                                 | 15165.00          | -52.46       | -13           | -39.46            | -69.35            | -54.16             | 11.80                | 13.50                 | H                  |
|                                 | 7582.50           | -53.30       | -13           | -40.30            | -61.24            | -56.60             | 8.30                 | 11.60                 | V                  |
|                                 | 11373.75          | -50.85       | -13           | -37.85            | -68.89            | -52.37             | 10.48                | 12.00                 | V                  |
|                                 | 15165.00          | -52.43       | -13           | -39.43            | -69.31            | -54.13             | 11.80                | 13.50                 | V                  |
| Highest                         | 7762.50           | -55.83       | -13           | -42.83            | -63.38            | -59.13             | 8.32                 | 11.62                 | H                  |
|                                 | 11643.75          | -54.46       | -13           | -41.46            | -69.08            | -56.14             | 10.52                | 12.20                 | H                  |
|                                 | 15525.00          | -51.56       | -13           | -38.56            | -69.66            | -53.26             | 11.85                | 13.55                 | H                  |
|                                 | 7762.50           | -53.72       | -13           | -40.72            | -64.7             | -57.02             | 8.32                 | 11.62                 | V                  |
|                                 | 11643.75          | -51.50       | -13           | -38.50            | -68.97            | -53.18             | 10.52                | 12.20                 | V                  |
|                                 | 15525.00          | -53.17       | -13           | -40.17            | -69.63            | -54.87             | 11.85                | 13.55                 | V                  |

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



| EN-DC 41A_n77A / LTE 20MHz + NR 100MHz / QPSK(ANT0+2) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 Lowest   | 7402.50           | -58.09       | -13           | -45.09            | -66.50            | -61.42             | 8.25                 | 11.58                 | H                  |
|   | 11103.75          | -55.12       | -13           | -42.12            | -68.96            | -56.67             | 10.45                | 12.00                 | H                  |
|   | 14805.00          | -54.43       | -13           | -41.43            | -70.05            | -56.14             | 11.74                | 13.45                 | H                  |
|   | 7402.50           | -56.21       | -13           | -43.21            | -64.59            | -59.54             | 8.25                 | 11.58                 | V                  |
|   | 11103.75          | -53.10       | -13           | -40.10            | -68.87            | -54.65             | 10.45                | 12.00                 | V                  |
|   | 14805.00          | -54.60       | -13           | -41.60            | -70.50            | -56.31             | 11.74                | 13.45                 | V                  |
| LTE Band41 Lowest                                     | 5168.00           | -60.96       | -25           | -35.96            | -65.22            | -66.52             | 7.14                 | 12.70                 | H                  |
|   | 7752.00           | -57.30       | -25           | -32.30            | -64.88            | -60.60             | 8.30                 | 11.60                 | H                  |
|   | 10336.00          | -56.49       | -25           | -31.49            | -68.22            | -58.01             | 10.48                | 12.00                 | H                  |
|   | 5168.00           | -60.39       | -25           | -35.39            | -65.15            | -65.95             | 7.14                 | 12.70                 | V                  |
|   | 7752.00           | -54.36       | -25           | -29.36            | -65.03            | -57.66             | 8.30                 | 11.60                 | V                  |
|   | 10336.00          | -54.27       | -25           | -29.27            | -67.75            | -55.79             | 10.48                | 12.00                 | V                  |
| NR n77 Middle   | 7582.50           | -55.83       | -13           | -42.83            | -63.77            | -59.13             | 8.30                 | 11.60                 | H                  |
|   | 11373.75          | -55.04       | -13           | -42.04            | -69.00            | -56.56             | 10.48                | 12.00                 | H                  |
|   | 15165.00          | -52.39       | -13           | -39.39            | -69.28            | -54.09             | 11.80                | 13.50                 | H                  |
|   | 7582.50           | -56.50       | -13           | -43.50            | -64.44            | -59.80             | 8.30                 | 11.60                 | V                  |
|   | 11373.75          | -51.08       | -13           | -38.08            | -69.12            | -52.60             | 10.48                | 12.00                 | V                  |
|   | 15165.00          | -52.34       | -13           | -39.34            | -69.22            | -54.04             | 11.80                | 13.50                 | V                  |
| LTE Band41 Middle                                     | 5168.00           | -60.96       | -25           | -35.96            | -65.22            | -66.52             | 7.14                 | 12.70                 | H                  |
|   | 7752.00           | -57.65       | -25           | -32.65            | -65.23            | -60.95             | 8.30                 | 11.60                 | H                  |
|   | 10336.00          | -56.43       | -25           | -31.43            | -68.16            | -57.95             | 10.48                | 12.00                 | H                  |
|   | 5168.00           | -59.77       | -25           | -34.77            | -64.53            | -65.33             | 7.14                 | 12.70                 | V                  |
|   | 7752.00           | -54.58       | -25           | -29.58            | -65.25            | -57.88             | 8.30                 | 11.60                 | V                  |
|   | 10336.00          | -54.51       | -25           | -29.51            | -67.99            | -56.03             | 10.48                | 12.00                 | V                  |
| NR n77 Highest  | 7762.50           | -58.11       | -13           | -45.11            | -65.66            | -61.41             | 8.32                 | 11.62                 | H                  |
|   | 11643.75          | -54.38       | -13           | -41.38            | -69.00            | -56.06             | 10.52                | 12.20                 | H                  |
|   | 15525.00          | -51.61       | -13           | -38.61            | -69.71            | -53.31             | 11.85                | 13.55                 | H                  |
|   | 7762.50           | -51.81       | -13           | -38.81            | -64.7             | -55.11             | 8.32                 | 11.62                 | V                  |
|   | 11643.75          | -51.76       | -13           | -38.76            | -69.23            | -53.44             | 10.52                | 12.20                 | V                  |
|   | 15525.00          | -53.30       | -13           | -40.30            | -69.76            | -55.00             | 11.85                | 13.55                 | V                  |
| LTE Band41 Highest                                    | 5168.00           | -59.95       | -25           | -34.95            | -64.21            | -65.51             | 7.14                 | 12.70                 | H                  |
|   | 7752.00           | -57.03       | -25           | -32.03            | -64.61            | -60.33             | 8.30                 | 11.60                 | H                  |
|   | 10336.00          | -56.72       | -25           | -31.72            | -68.45            | -58.24             | 10.48                | 12.00                 | H                  |
|   | 5168.00           | -59.59       | -25           | -34.59            | -64.35            | -65.15             | 7.14                 | 12.70                 | V                  |
|   | 7752.00           | -54.03       | -25           | -29.03            | -64.7             | -57.33             | 8.30                 | 11.60                 | V                  |
|   | 10336.00          | -54.60       | -25           | -29.60            | -68.08            | -56.12             | 10.48                | 12.00                 | V                  |

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



| n78 SA / NR 100MHz / QPSK(ANT2) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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           | -56.38       | -13           | -43.38            | -64.79            | -59.68             | 8.30                 | 11.60                 | H                  |
|                                 | 11103.75          | -55.01       | -13           | -42.01            | -68.85            | -56.53             | 10.48                | 12.00                 | H                  |
|                                 | 14805.00          | -54.12       | -13           | -41.12            | -69.74            | -55.82             | 11.80                | 13.50                 | H                  |
|                                 | 7402.50           | -54.79       | -13           | -41.79            | -63.17            | -58.09             | 8.30                 | 11.60                 | V                  |
|                                 | 11103.75          | -53.06       | -13           | -40.06            | -68.83            | -54.58             | 10.48                | 12.00                 | V                  |
|                                 | 14805.00          | -53.97       | -13           | -40.97            | -69.87            | -55.67             | 11.80                | 13.50                 | V                  |

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

| EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK(ANT0+2) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 n78 Middle   | 7402.50           | -57.52       | -13           | -44.52            | -65.93            | -60.82             | 8.30                 | 11.60                 | H                  |
|   | 11103.75          | -55.16       | -13           | -42.16            | -69.00            | -56.68             | 10.48                | 12.00                 | H                  |
|   | 14805.00          | -54.77       | -13           | -41.77            | -70.39            | -56.47             | 11.80                | 13.50                 | H                  |
|   | 7402.50           | -57.95       | -13           | -44.95            | -66.33            | -61.25             | 8.30                 | 11.60                 | V                  |
|   | 11103.75          | -52.73       | -13           | -39.73            | -68.5             | -54.25             | 10.48                | 12.00                 | V                  |
|   | 14805.00          | -54.42       | -13           | -41.42            | -70.32            | -56.12             | 11.80                | 13.50                 | V                  |
| LTE Band41 Middle                                     | 5168.00           | -60.09       | -25           | -35.09            | -64.35            | -65.65             | 7.14                 | 12.70                 | H                  |
|   | 7752.00           | -58.14       | -25           | -33.14            | -65.72            | -61.44             | 8.30                 | 11.60                 | H                  |
|   | 10336.00          | -56.37       | -25           | -31.37            | -68.10            | -57.89             | 10.48                | 12.00                 | H                  |
|   | 5168.00           | -59.63       | -25           | -34.63            | -64.39            | -65.19             | 7.14                 | 12.70                 | V                  |
|   | 7752.00           | -51.90       | -25           | -26.90            | -62.57            | -55.20             | 8.30                 | 11.60                 | V                  |
|   | 10336.00          | -54.77       | -25           | -29.77            | -68.25            | -56.29             | 10.48                | 12.00                 | V                  |

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