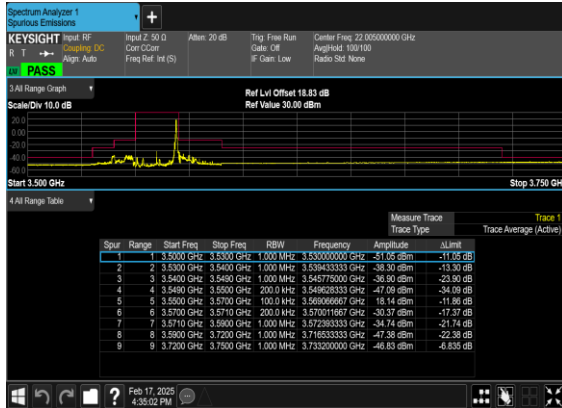
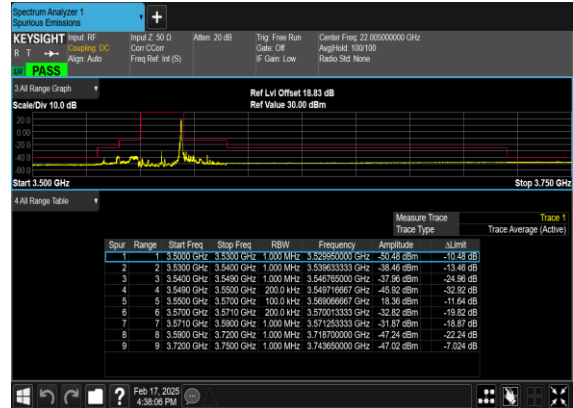




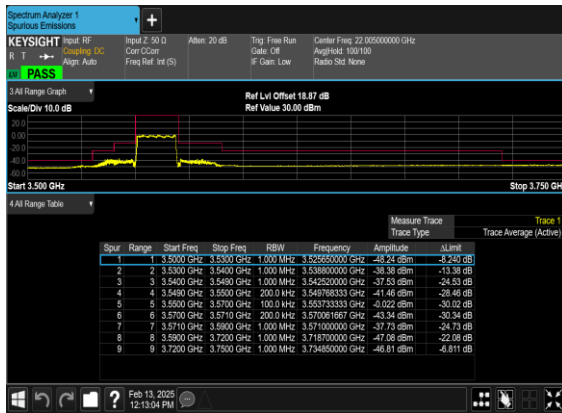
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH



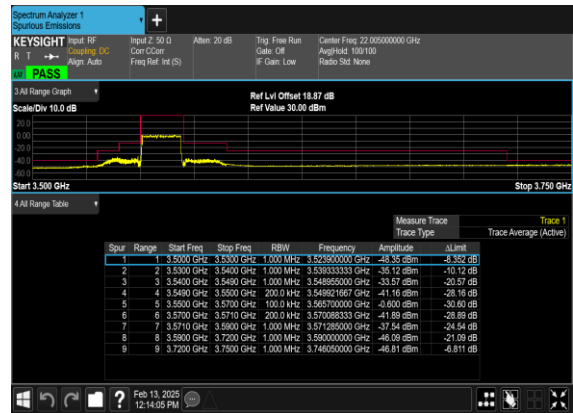
N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH

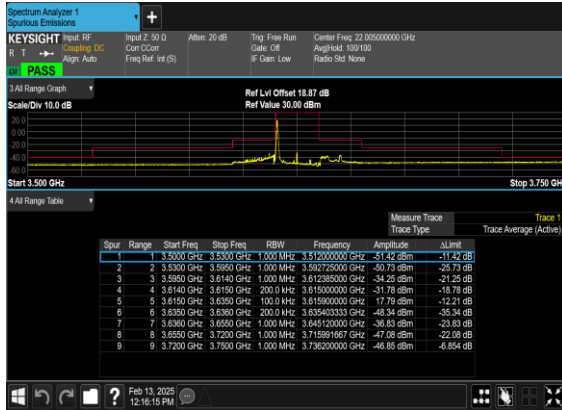


N48(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH

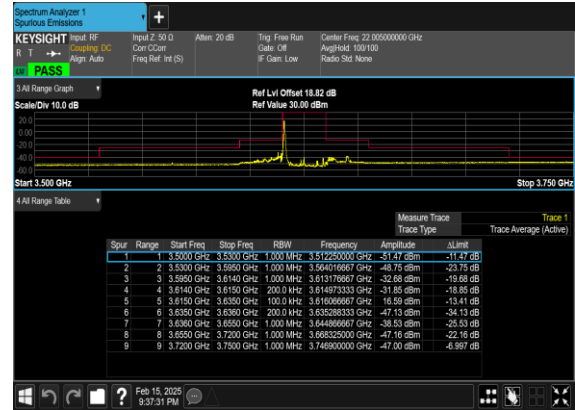




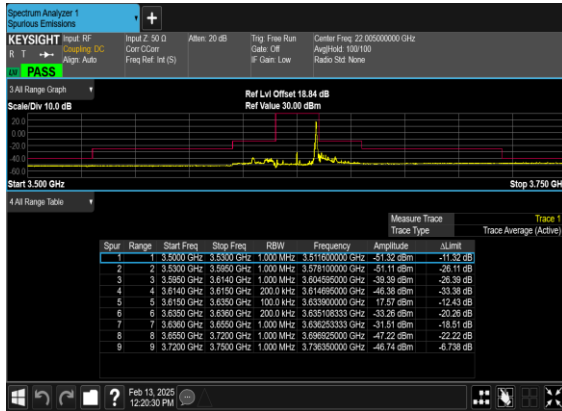
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



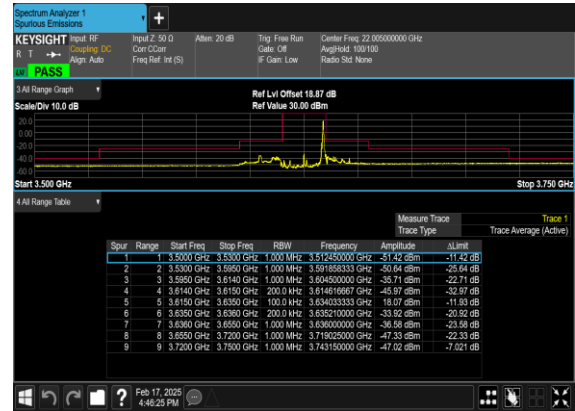
N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH

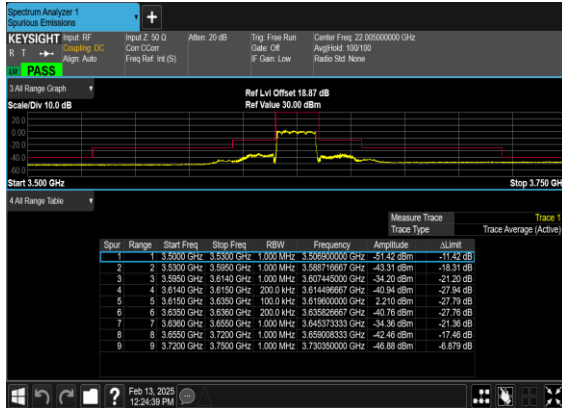


N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH

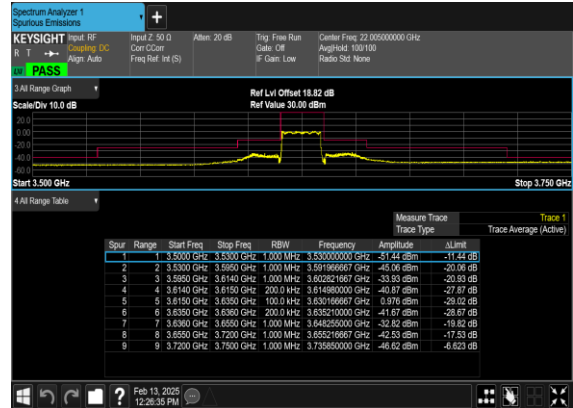




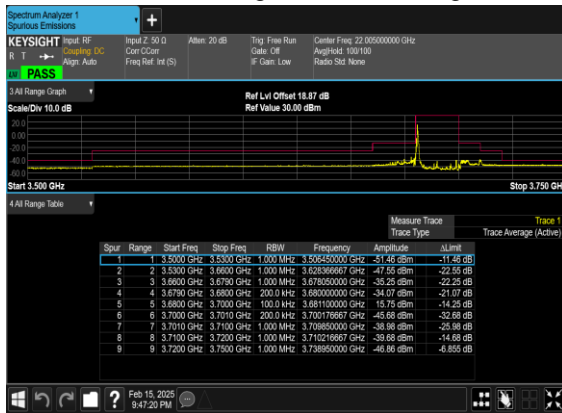
N48(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



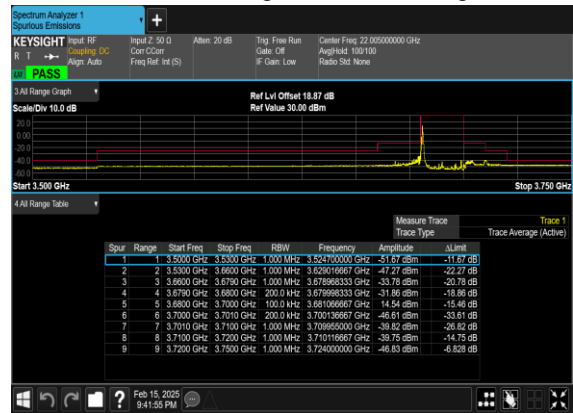
N48(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH

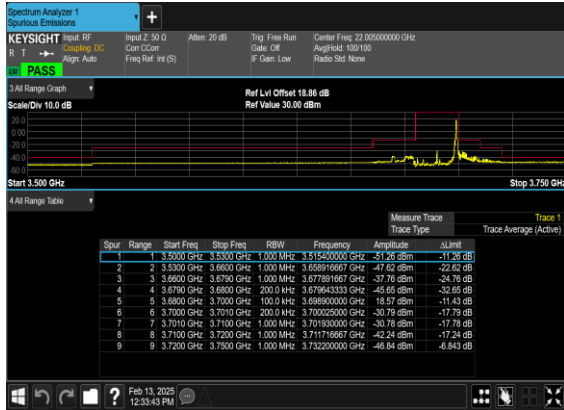


N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

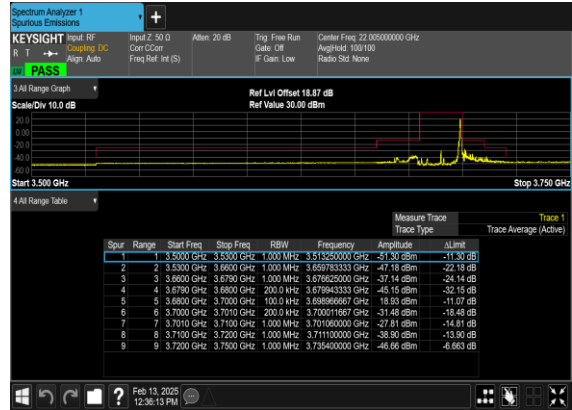




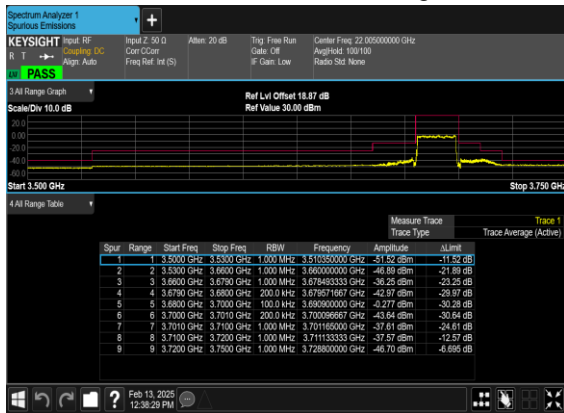
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



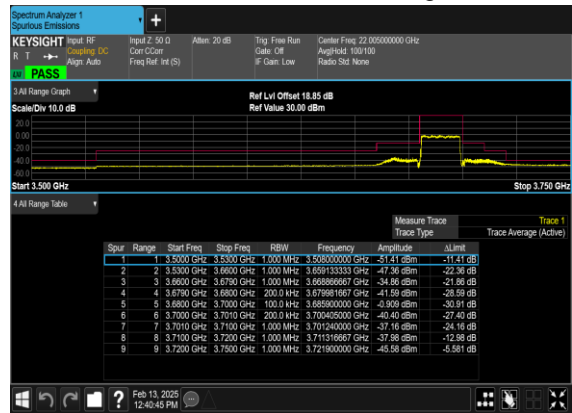
N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



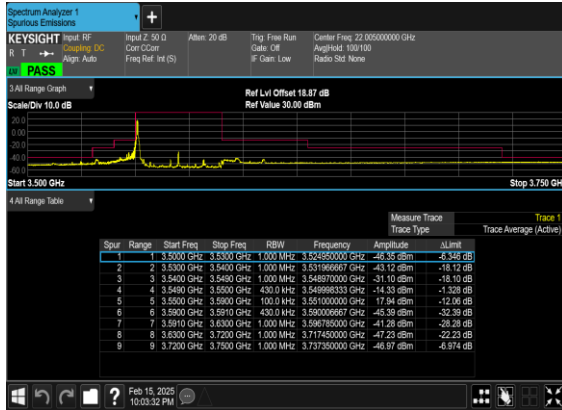
N48(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



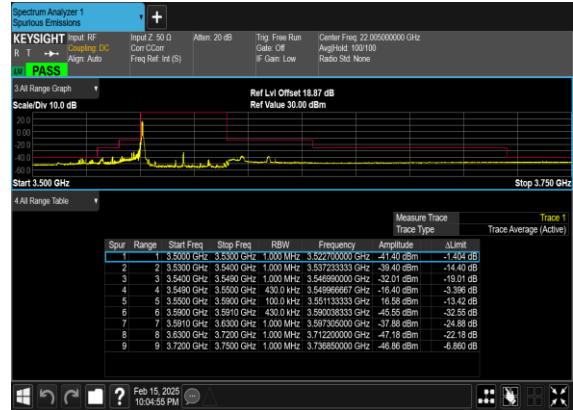
N48(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



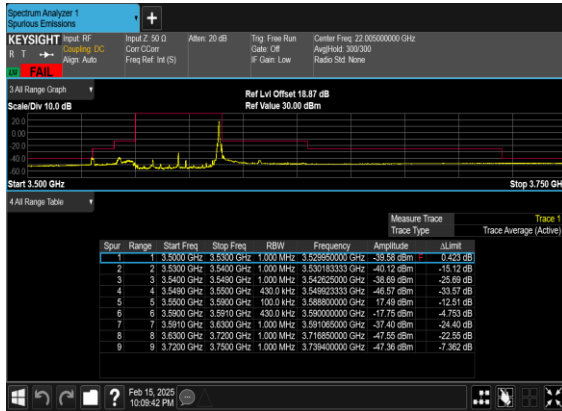
N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



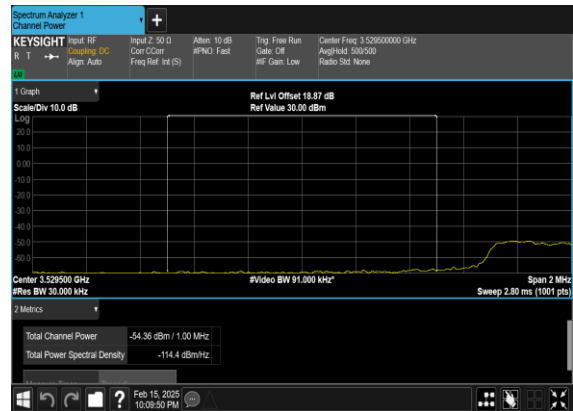
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH

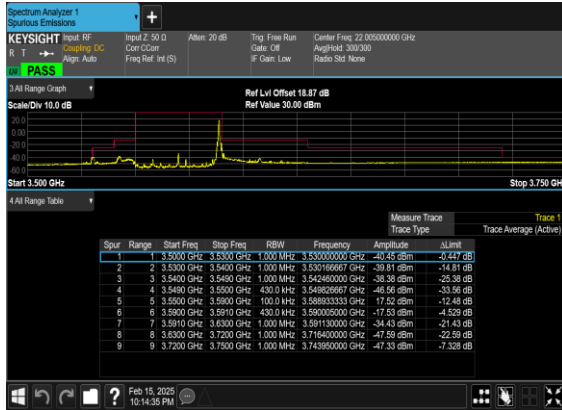


N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH\_Chp  
\_PASS

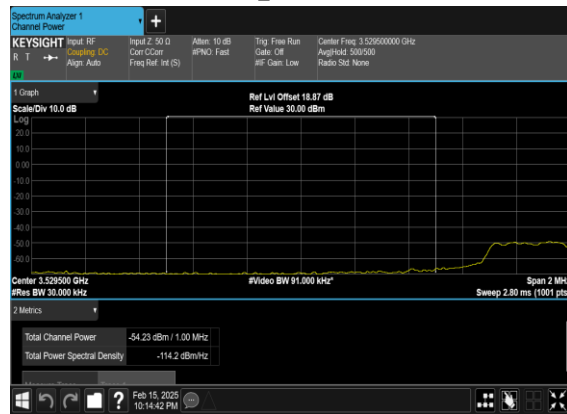




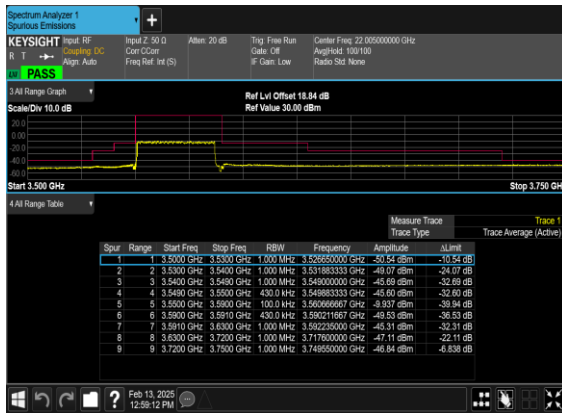
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



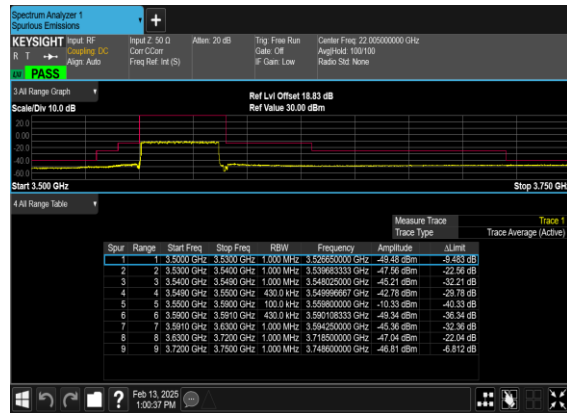
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH\_chp\_PASS



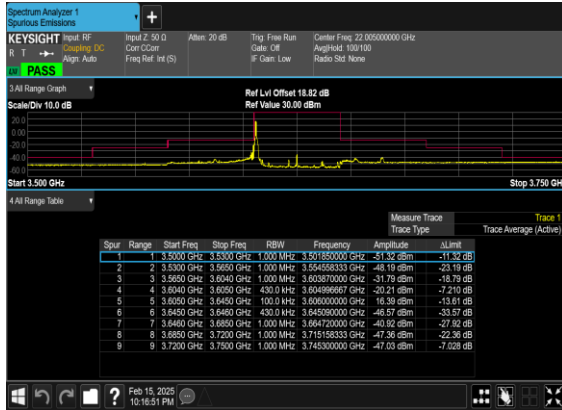
N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



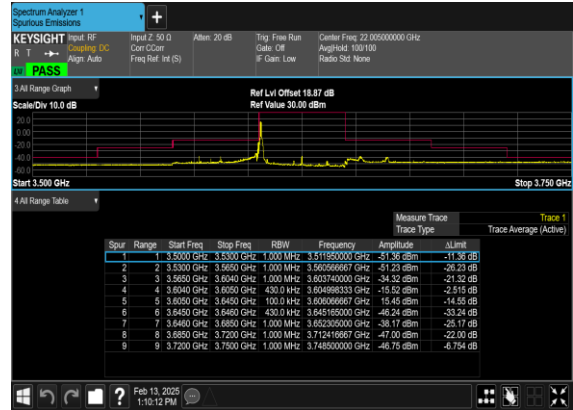
N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



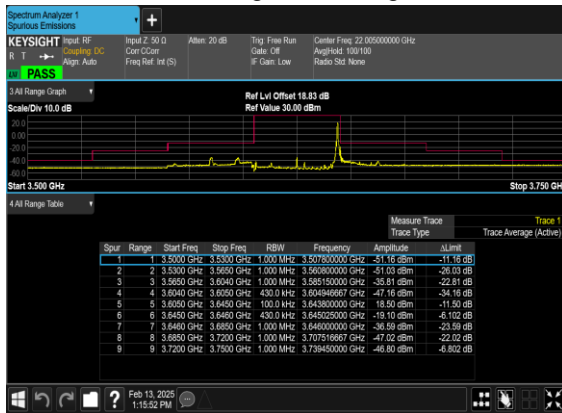
N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



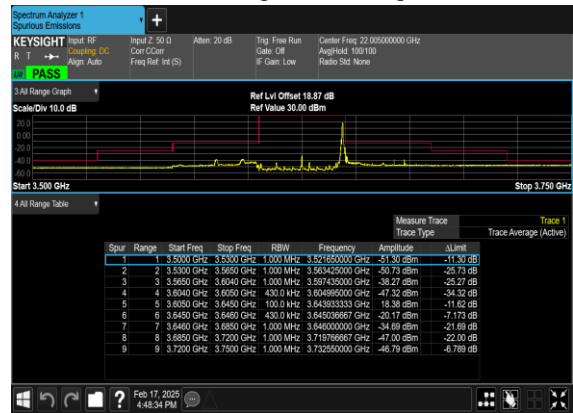
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH

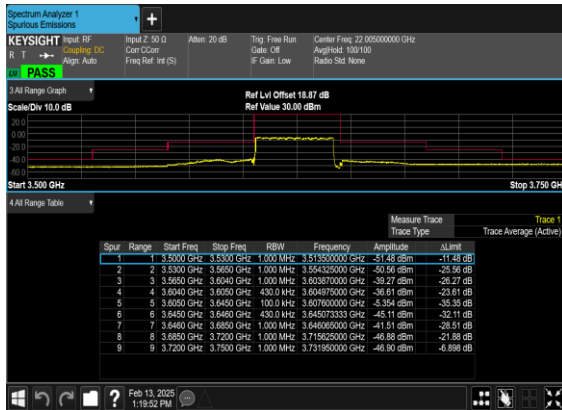


N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH

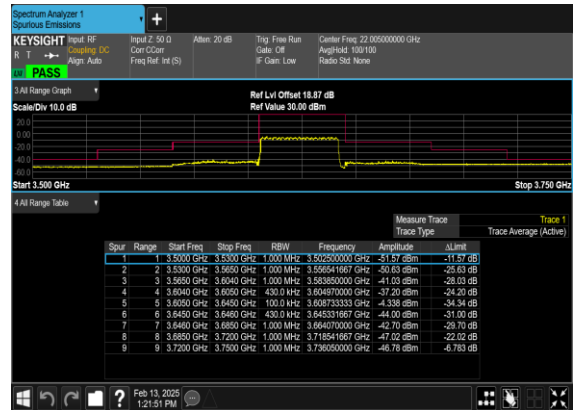




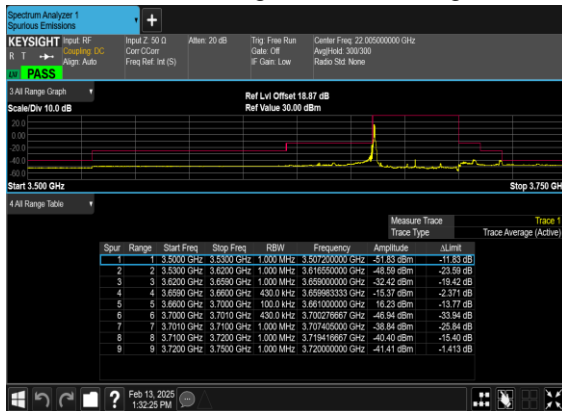
N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



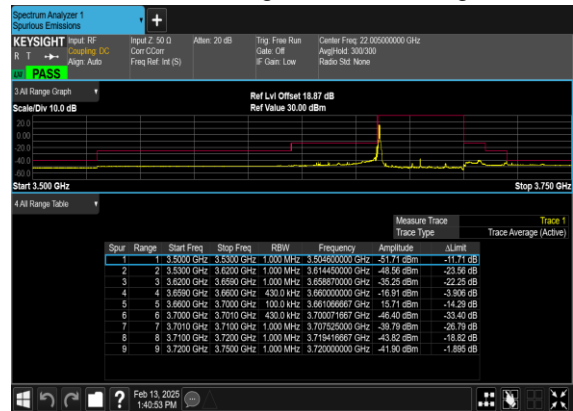
N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH

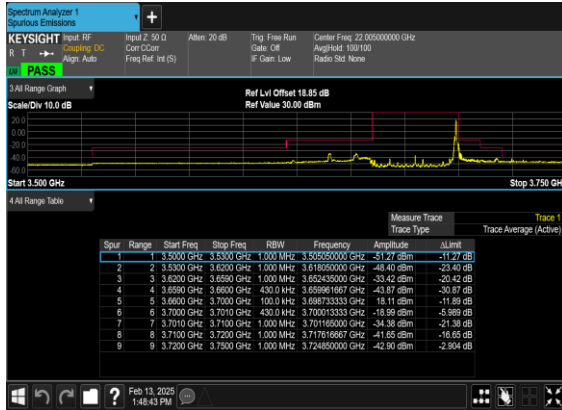


N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

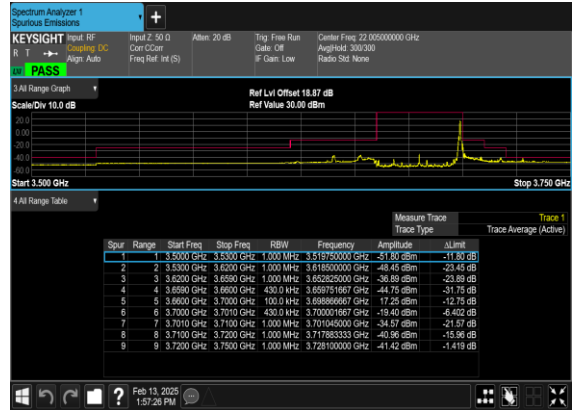




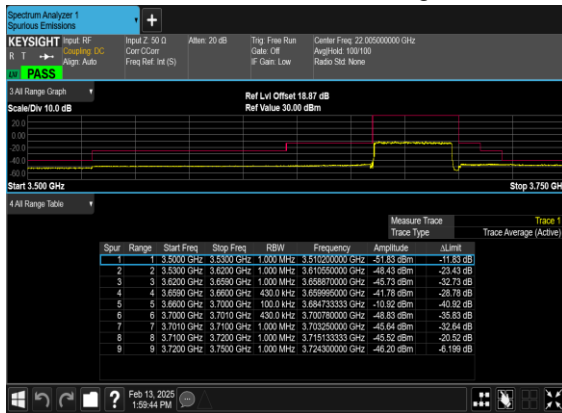
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



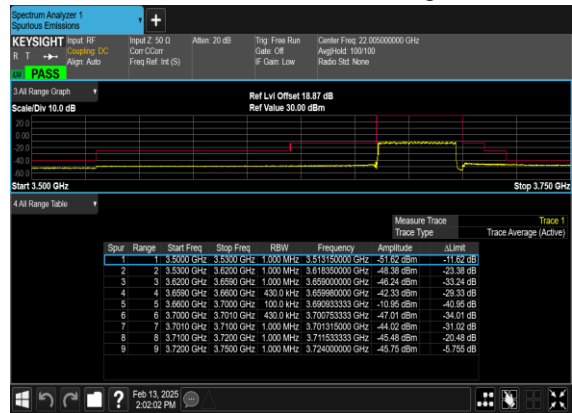
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH





## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

| SA n48 / 40MHz / QPSK / ANT4 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                       | 7102.80           | -60.88       | -40           | -20.88            | -50.77            | -64.21             | 8.25                 | 11.58                 | H                  |
|                              | 10654.20          | -54.84       | -40           | -14.84            | -52.43            | -56.39             | 10.45                | 12.00                 | H                  |
|                              | 14205.60          | -52.68       | -40           | -12.68            | -54.48            | -54.39             | 11.74                | 13.45                 | H                  |
|                              | 7102.80           | -60.60       | -40           | -20.60            | -50.61            | -63.93             | 8.25                 | 11.58                 | V                  |
|                              | 10654.20          | -55.68       | -40           | -15.68            | -53.14            | -57.23             | 10.45                | 12.00                 | V                  |
|                              | 14205.60          | -52.60       | -40           | -12.60            | -54.10            | -54.31             | 11.74                | 13.45                 | V                  |
| Middle                       | 7212.80           | -59.93       | -40           | -19.93            | -56.24            | -63.23             | 8.30                 | 11.60                 | H                  |
|                              | 10819.20          | -54.31       | -40           | -14.31            | -56.70            | -55.83             | 10.48                | 12.00                 | H                  |
|                              | 14425.60          | -49.25       | -40           | -9.25             | -57.07            | -50.95             | 11.80                | 13.50                 | H                  |
|                              | 7212.80           | -59.79       | -40           | -19.79            | -56.14            | -63.09             | 8.30                 | 11.60                 | V                  |
|                              | 10819.20          | -54.80       | -40           | -14.80            | -56.96            | -56.32             | 10.48                | 12.00                 | V                  |
|                              | 14425.60          | -49.57       | -40           | -9.57             | -57.17            | -51.27             | 11.80                | 13.50                 | V                  |
| Highest                      | 7322.80           | -60.48       | -40           | -20.48            | -51.49            | -63.78             | 8.32                 | 11.62                 | H                  |
|                              | 10984.20          | -54.28       | -40           | -14.28            | -53.44            | -55.96             | 10.52                | 12.20                 | H                  |
|                              | 14645.60          | -53.37       | -40           | -13.37            | -55.24            | -55.07             | 11.85                | 13.55                 | H                  |
|                              | 7322.80           | -60.51       | -40           | -20.51            | -51.57            | -63.81             | 8.32                 | 11.62                 | V                  |
|                              | 10984.20          | -54.44       | -40           | -14.44            | -53.28            | -56.12             | 10.52                | 12.20                 | V                  |
|                              | 14645.60          | -53.38       | -40           | -13.38            | -55.23            | -55.08             | 11.85                | 13.55                 | V                  |

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

| EN-DC_5A_n48A / LTE 10MHz + NR 40MHz / QPSK / ANT0(LTE) & ANT4(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) |
| 5G n48<br>Lowest   | 7102.80           | -60.14       | -40           | -20.14            | -55.97            | -63.47             | 8.25                 | 11.58                 | H                  |
|  | 10654.20          | -55.56       | -40           | -15.56            | -56.90            | -57.11             | 10.45                | 12.00                 | H                  |
|  | 14205.60          | -49.98       | -40           | -9.98             | -57.08            | -51.69             | 11.74                | 13.45                 | H                  |
|  | 7102.80           | -59.90       | -40           | -19.90            | -55.85            | -63.23             | 8.25                 | 11.58                 | V                  |
|  | 10654.20          | -55.56       | -40           | -15.56            | -56.77            | -57.11             | 10.45                | 12.00                 | V                  |
|  | 14205.60          | -50.65       | -40           | -10.65            | -57.45            | -52.36             | 11.74                | 13.45                 | V                  |
| LTE Band 5<br>Lowest   | 1664.18           | -67.08       | -13           | -54.08            | -72.95            | -70.31             | 3.98                 | 9.36                  | H                  |
|  | 2496.27           | -57.31       | -13           | -44.31            | -67.60            | -60.86             | 4.85                 | 10.55                 | H                  |
|  | 3328.36           | -61.88       | -13           | -48.88            | -74.01            | -66.81             | 5.50                 | 12.58                 | H                  |



|                       |          |        |     |        |        |        |       |       |   |
|-----------------------|----------|--------|-----|--------|--------|--------|-------|-------|---|
|                       | 1664.18  | -68.32 | -13 | -55.32 | -73.96 | -71.55 | 3.98  | 9.36  | V |
|                       | 2496.27  | -61.04 | -13 | -48.04 | -71.67 | -64.59 | 4.85  | 10.55 | V |
|                       | 3328.36  | -61.16 | -13 | -48.16 | -73.70 | -66.09 | 5.50  | 12.58 | V |
| 5G n48<br>Middle      | 7212.80  | -59.79 | -40 | -19.79 | -56.10 | -63.09 | 8.30  | 11.60 | H |
|                       | 10819.20 | -54.58 | -40 | -14.58 | -56.97 | -56.10 | 10.48 | 12.00 | H |
|                       | 14425.60 | -49.66 | -40 | -9.66  | -57.48 | -51.36 | 11.80 | 13.50 | H |
|                       | 7212.80  | -59.62 | -40 | -19.62 | -55.97 | -62.92 | 8.30  | 11.60 | V |
|                       | 10819.20 | -54.50 | -40 | -14.50 | -56.66 | -56.02 | 10.48 | 12.00 | V |
|                       | 14425.60 | -49.71 | -40 | -9.71  | -57.31 | -51.41 | 11.80 | 13.50 | V |
| LTE Band 5<br>Middle  | 1664.18  | -66.32 | -13 | -53.32 | -72.19 | -69.57 | 4.00  | 9.40  | H |
|                       | 2496.27  | -57.24 | -13 | -44.24 | -67.53 | -60.81 | 4.88  | 10.60 | H |
|                       | 3328.36  | -61.92 | -13 | -48.92 | -74.05 | -66.85 | 5.52  | 12.60 | H |
|                       | 1664.18  | -68.00 | -13 | -55.00 | -73.64 | -71.25 | 4.00  | 9.40  | V |
|                       | 2496.27  | -61.08 | -13 | -48.08 | -71.71 | -64.65 | 4.88  | 10.60 | V |
|                       | 3328.36  | -60.59 | -13 | -47.59 | -73.13 | -65.52 | 5.52  | 12.60 | V |
| 5G n48<br>Highest     | 7322.80  | -59.27 | -40 | -19.27 | -56.08 | -62.57 | 8.32  | 11.62 | H |
|                       | 10984.20 | -53.81 | -40 | -13.81 | -57.25 | -55.49 | 10.52 | 12.20 | H |
|                       | 14645.60 | -50.91 | -40 | -10.91 | -58.53 | -52.61 | 11.85 | 13.55 | H |
|                       | 7322.80  | -59.52 | -40 | -19.52 | -56.38 | -62.82 | 8.32  | 11.62 | V |
|                       | 10984.20 | -53.92 | -40 | -13.92 | -57.04 | -55.60 | 10.52 | 12.20 | V |
|                       | 14645.60 | -50.85 | -40 | -10.85 | -58.45 | -52.55 | 11.85 | 13.55 | V |
| LTE Band 5<br>Highest | 1664.18  | -67.08 | -13 | -54.08 | -72.95 | -70.25 | 4.10  | 9.42  | H |
|                       | 2496.27  | -57.31 | -13 | -44.31 | -67.60 | -60.89 | 4.90  | 10.63 | H |
|                       | 3328.36  | -61.88 | -13 | -48.88 | -74.01 | -66.80 | 5.55  | 12.62 | H |
|                       | 1664.18  | -68.32 | -13 | -55.32 | -73.96 | -71.49 | 4.10  | 9.42  | V |
|                       | 2496.27  | -61.04 | -13 | -48.04 | -71.67 | -64.62 | 4.90  | 10.63 | V |
|                       | 3328.36  | -61.16 | -13 | -48.16 | -73.70 | -66.08 | 5.55  | 12.62 | V |

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

| SA n48 / 40MHz / QPSK / ANT4 Other PA |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                | 7102.80           | -60.28       | -40           | -20.28            | -56.11            | -63.61             | 8.25                 | 11.58                 | H                  |
|                                       | 10654.20          | -55.87       | -40           | -15.87            | -57.21            | -57.42             | 10.45                | 12.00                 | H                  |
|                                       | 14205.60          | -50.28       | -40           | -10.28            | -57.38            | -51.99             | 11.74                | 13.45                 | H                  |
|                                       | 7102.80           | -60.20       | -40           | -20.20            | -56.15            | -63.53             | 8.25                 | 11.58                 | V                  |
|                                       | 10654.20          | -56.19       | -40           | -16.19            | -57.4             | -57.74             | 10.45                | 12.00                 | V                  |
|                                       | 14205.60          | -50.56       | -40           | -10.56            | -57.36            | -52.27             | 11.74                | 13.45                 | V                  |
| Middle                                | 7212.80           | -59.61       | -40           | -19.61            | -55.92            | -62.91             | 8.30                 | 11.60                 | H                  |
|                                       | 10819.20          | -54.58       | -40           | -14.58            | -56.97            | -56.10             | 10.48                | 12.00                 | H                  |
|                                       | 14425.60          | -49.23       | -40           | -9.23             | -57.05            | -50.93             | 11.80                | 13.50                 | H                  |
|                                       | 7212.80           | -59.97       | -40           | -19.97            | -56.32            | -63.27             | 8.30                 | 11.60                 | V                  |
|                                       | 10819.20          | -54.75       | -40           | -14.75            | -56.91            | -56.27             | 10.48                | 12.00                 | V                  |
|                                       | 14425.60          | -49.64       | -40           | -9.64             | -57.24            | -51.34             | 11.80                | 13.50                 | V                  |
| Highest                               | 7322.80           | -59.71       | -40           | -19.71            | -56.52            | -63.01             | 8.32                 | 11.62                 | H                  |
|                                       | 10984.20          | -54.17       | -40           | -14.17            | -57.61            | -55.85             | 10.52                | 12.20                 | H                  |
|                                       | 14645.60          | -50.46       | -40           | -10.46            | -58.08            | -52.16             | 11.85                | 13.55                 | H                  |



|  |          |        |     |        |        |        |       |       |   |
|--|----------|--------|-----|--------|--------|--------|-------|-------|---|
|  | 7322.80  | -59.72 | -40 | -19.72 | -56.58 | -63.02 | 8.32  | 11.62 | V |
|  | 10984.20 | -54.41 | -40 | -14.41 | -57.53 | -56.09 | 10.52 | 12.20 | V |
|  | 14645.60 | -50.70 | -40 | -10.70 | -58.30 | -52.40 | 11.85 | 13.55 | V |

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

| SA n48 UL MIMO / 40MHz / QPSK / ANT4+7 |                   |              |               |                   |                   |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                 | 7102.80           | -59.80       | -40           | -19.80            | -55.63            | -63.13             | 8.25                 | 11.58                 | H                  |
|  | 10654.20          | -55.59       | -40           | -15.59            | -56.93            | -57.14             | 10.45                | 12.00                 | H                  |
|  | 14205.60          | -50.46       | -40           | -10.46            | -57.56            | -52.17             | 11.74                | 13.45                 | H                  |
|  | 7102.80           | -59.88       | -40           | -19.88            | -55.83            | -63.21             | 8.25                 | 11.58                 | V                  |
|  | 10654.20          | -56.11       | -40           | -16.11            | -57.32            | -57.66             | 10.45                | 12.00                 | V                  |
|  | 14205.60          | -50.55       | -40           | -10.55            | -57.35            | -52.26             | 11.74                | 13.45                 | V                  |
| Middle                                 | 7212.80           | -59.86       | -40           | -19.86            | -56.17            | -63.16             | 8.30                 | 11.60                 | H                  |
|  | 10819.20          | -54.56       | -40           | -14.56            | -56.95            | -56.08             | 10.48                | 12.00                 | H                  |
|  | 14425.60          | -49.08       | -40           | -9.08             | -56.90            | -50.78             | 11.80                | 13.50                 | H                  |
|  | 7212.80           | -59.79       | -40           | -19.79            | -56.14            | -63.09             | 8.30                 | 11.60                 | V                  |
|  | 10819.20          | -54.87       | -40           | -14.87            | -57.03            | -56.39             | 10.48                | 12.00                 | V                  |
|  | 14425.60          | -49.73       | -40           | -9.73             | -57.33            | -51.43             | 11.80                | 13.50                 | V                  |
| Highest                                | 7322.80           | -59.67       | -40           | -19.67            | -56.48            | -62.97             | 8.32                 | 11.62                 | H                  |
|  | 10984.20          | -54.13       | -40           | -14.13            | -57.57            | -55.81             | 10.52                | 12.20                 | H                  |
|  | 14645.60          | -50.58       | -40           | -10.58            | -58.20            | -52.28             | 11.85                | 13.55                 | H                  |
|  | 7322.80           | -59.59       | -40           | -19.59            | -56.45            | -62.89             | 8.32                 | 11.62                 | V                  |
|  | 10984.20          | -54.16       | -40           | -14.16            | -57.28            | -55.84             | 10.52                | 12.20                 | V                  |
|  | 14645.60          | -50.71       | -40           | -10.71            | -58.31            | -52.41             | 11.85                | 13.55                 | V                  |

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