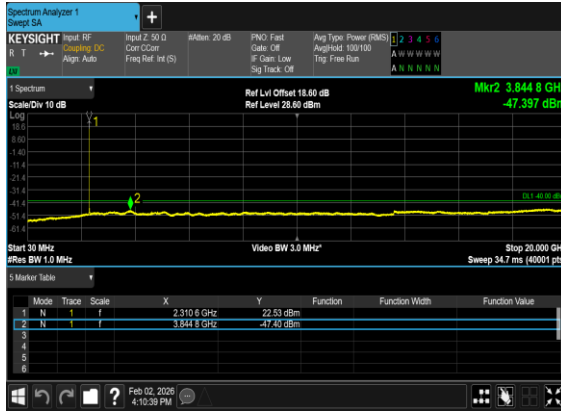
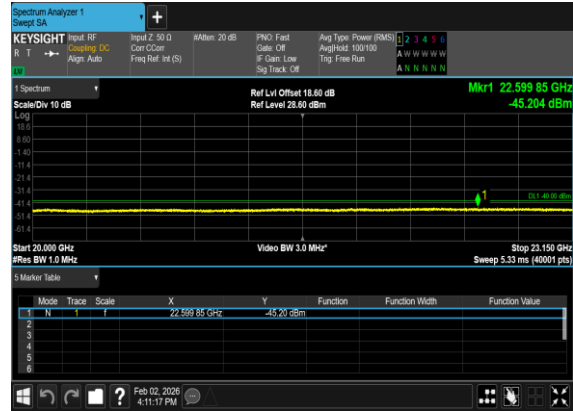




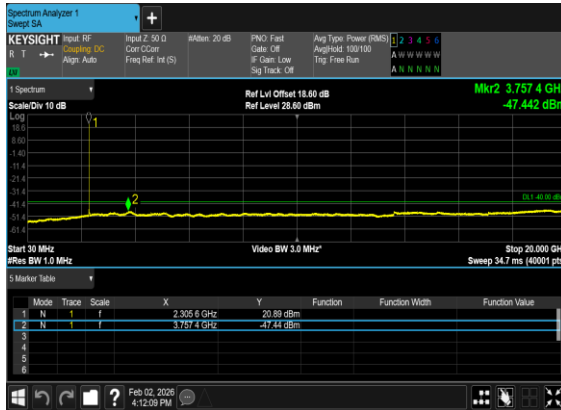
N30(5M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N30(5M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N30(10M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N30(10M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH





## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation     | RB   | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|----------------|------|-----------|---------|
| 30      | 15        | 5               | 461500 | 2307.5     | CP-OFDM QPSK   | 1@0  | see graph | PASS    |
| 30      | 15        | 5               | 461500 | 2307.5     | CP-OFDM 16 QAM | 1@0  | see graph | PASS    |
| 30      | 15        | 5               | 461500 | 2307.5     | CP-OFDM QPSK   | 25@0 | see graph | PASS    |
| 30      | 15        | 5               | 461500 | 2307.5     | CP-OFDM 16 QAM | 25@0 | see graph | PASS    |
| 30      | 15        | 5               | 462500 | 2312.5     | CP-OFDM QPSK   | 1@24 | see graph | PASS    |
| 30      | 15        | 5               | 462500 | 2312.5     | CP-OFDM 16 QAM | 1@24 | see graph | PASS    |
| 30      | 15        | 5               | 462500 | 2312.5     | CP-OFDM QPSK   | 25@0 | see graph | PASS    |
| 30      | 15        | 5               | 462500 | 2312.5     | CP-OFDM 16 QAM | 25@0 | see graph | PASS    |
| 30      | 15        | 10              | 462000 | 2310.0     | CP-OFDM QPSK   | 1@0  | see graph | PASS    |
| 30      | 15        | 10              | 462000 | 2310.0     | CP-OFDM 16 QAM | 1@0  | see graph | PASS    |
| 30      | 15        | 10              | 462000 | 2310.0     | CP-OFDM QPSK   | 1@51 | see graph | PASS    |
| 30      | 15        | 10              | 462000 | 2310.0     | CP-OFDM 16 QAM | 1@51 | see graph | PASS    |
| 30      | 15        | 10              | 462000 | 2310.0     | CP-OFDM QPSK   | 52@0 | see graph | PASS    |
| 30      | 15        | 10              | 462000 | 2310.0     | CP-OFDM 16 QAM | 52@0 | see graph | PASS    |



N30(5M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



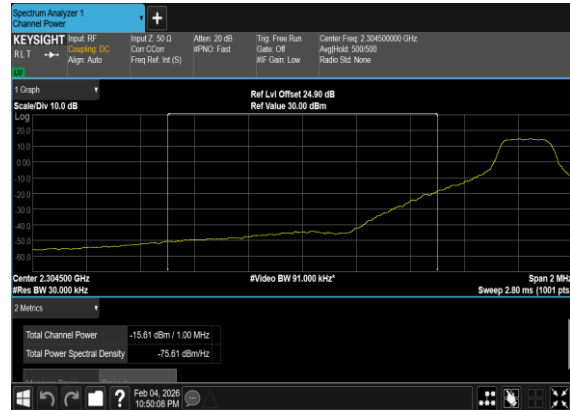
N30(5M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



N30(5M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Left\_Low\_CH\_22.45

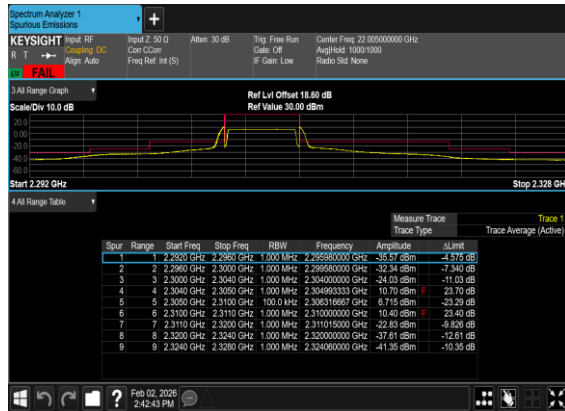


N30(5M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS

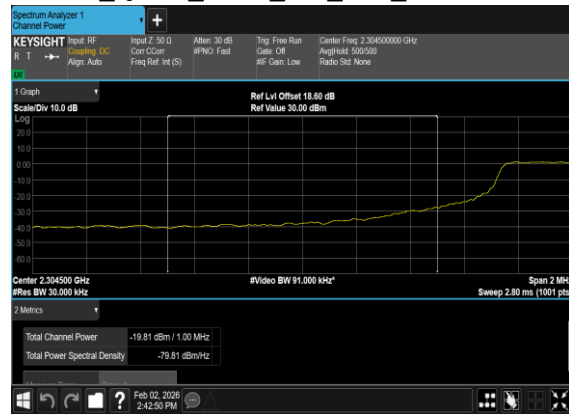




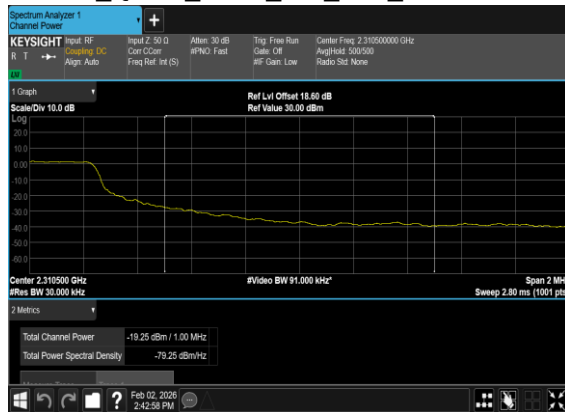
N30(5M)\_CP-OFDM\_QPSK\_Outer\_Full\_Low\_CH



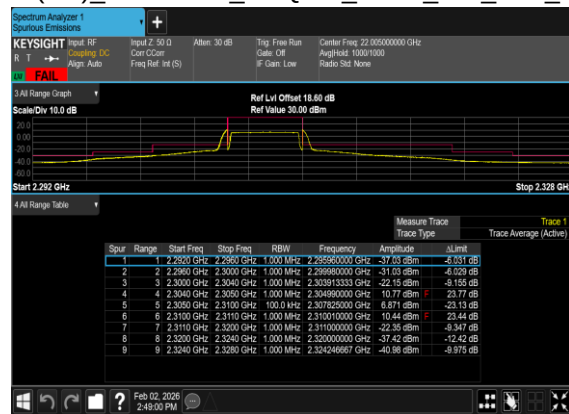
N30(5M)\_CP-OFDM\_QPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS



N30(5M)\_CP-OFDM\_QPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS

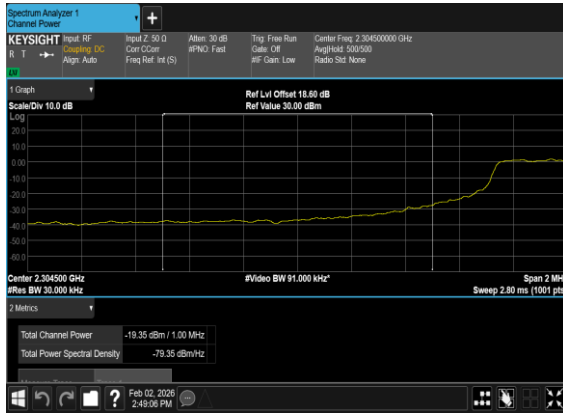


N30(5M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Low\_CH

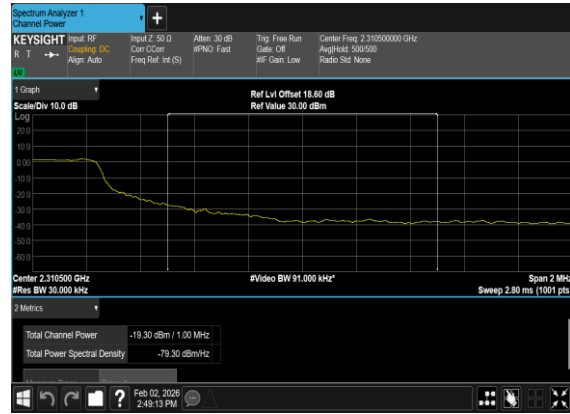




N30(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH\_CHP\_PASS



N30(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH\_CHP\_PASS



N30(5M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH

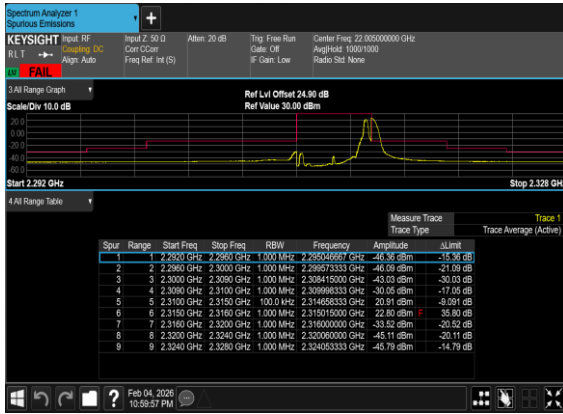


N30(5M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PA

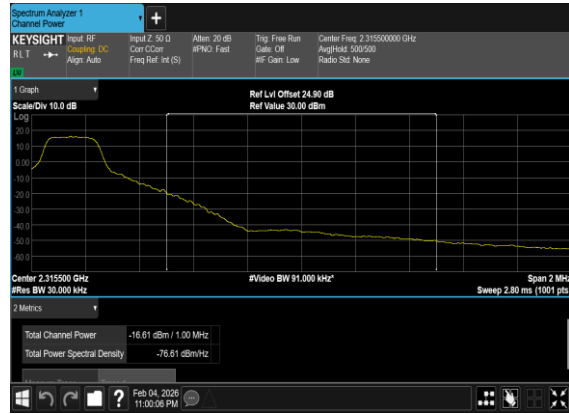




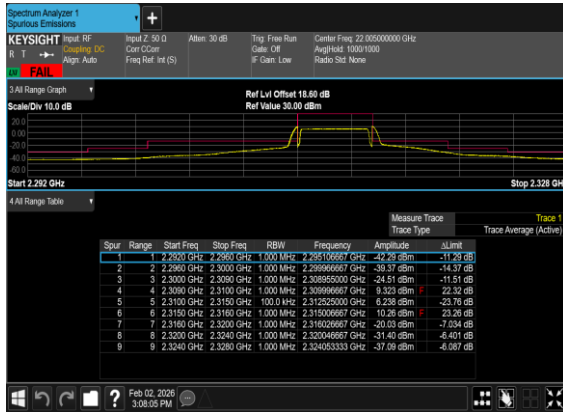
N30(5M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Right\_High\_CH



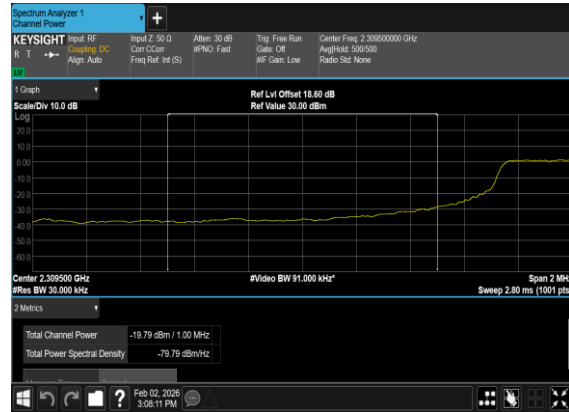
N30(5M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



N30(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH

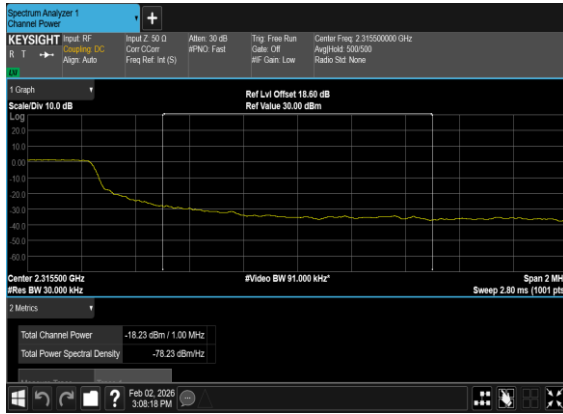


N30(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH\_CHP\_PASS

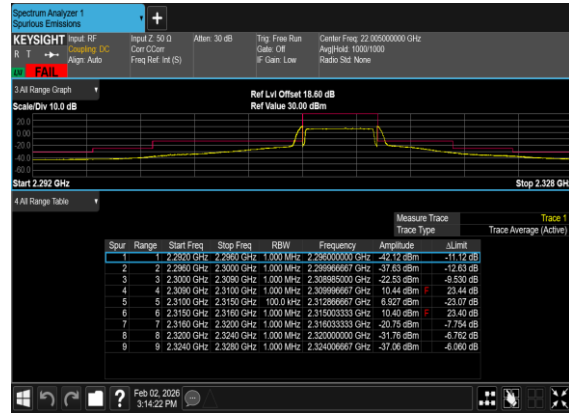




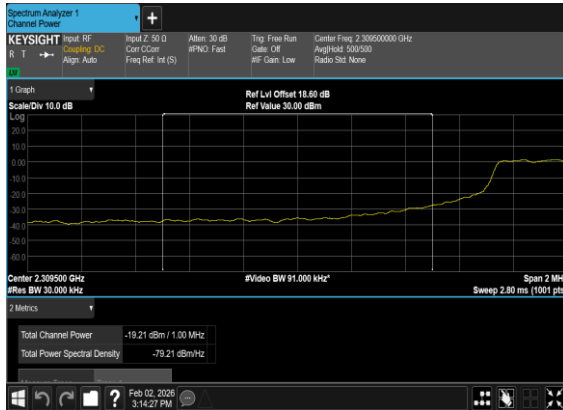
N30(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH\_CHP\_PASS



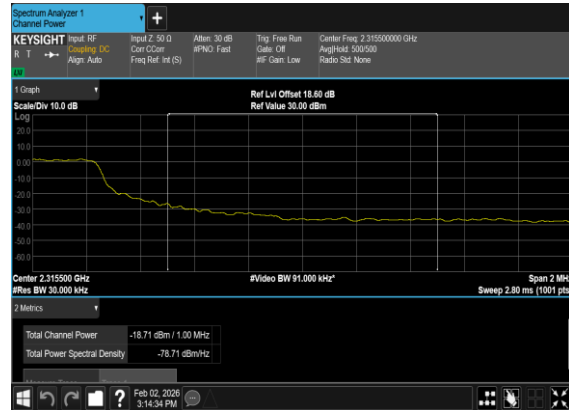
N30(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_High\_CH



N30(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_High\_CH\_CHP\_PASS

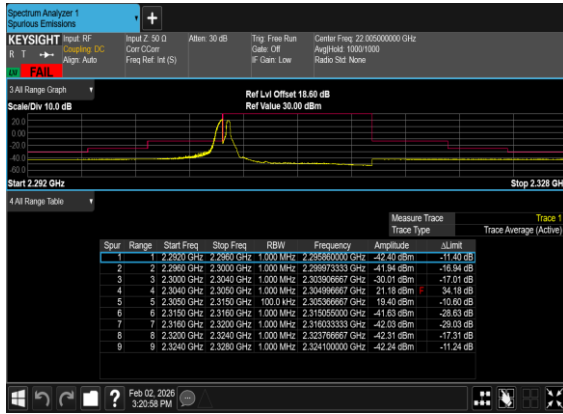


N30(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_High\_CH\_CHP\_PASS

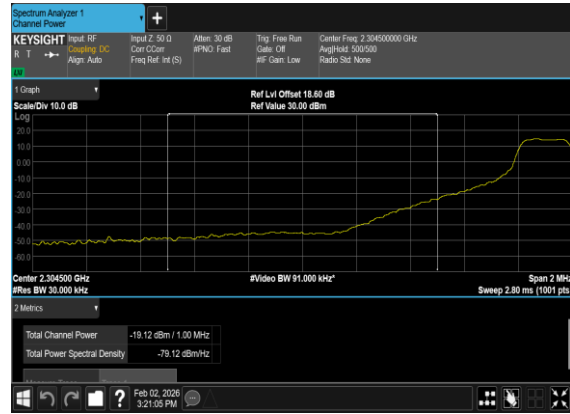




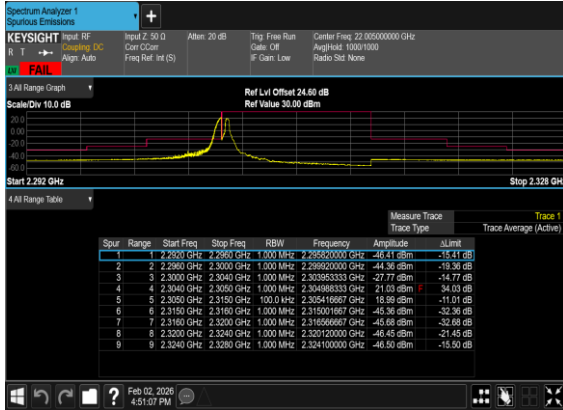
N30(10M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



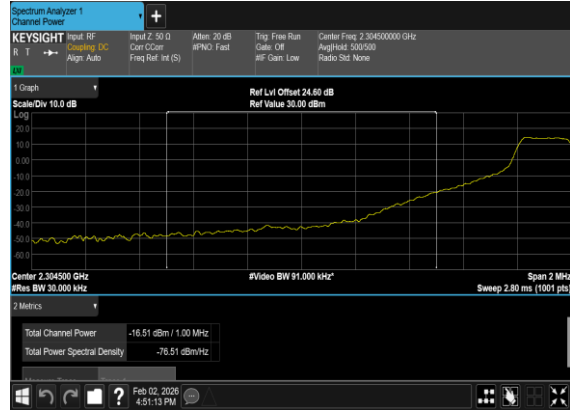
N30(10M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



N30(10M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Left\_Low\_CH

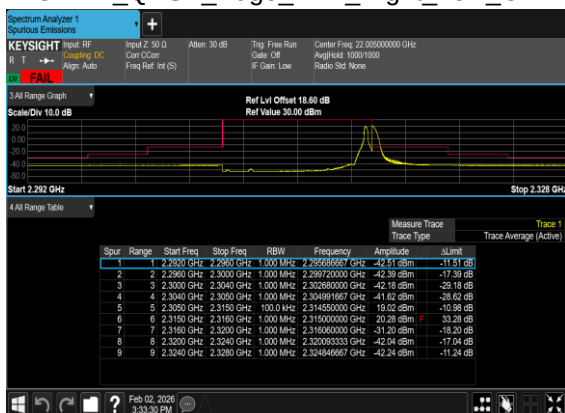


N30(10M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS

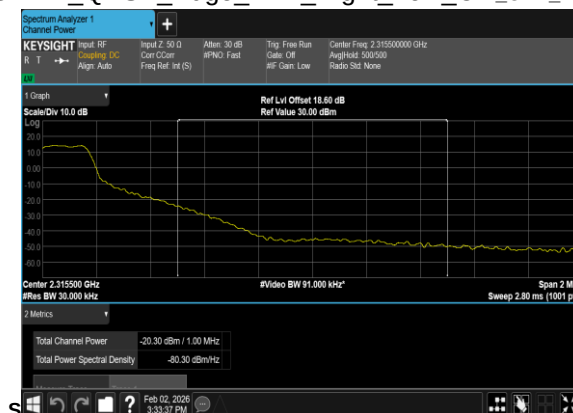




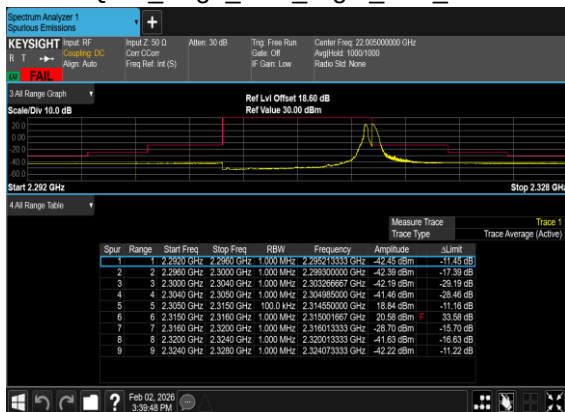
N30(10M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



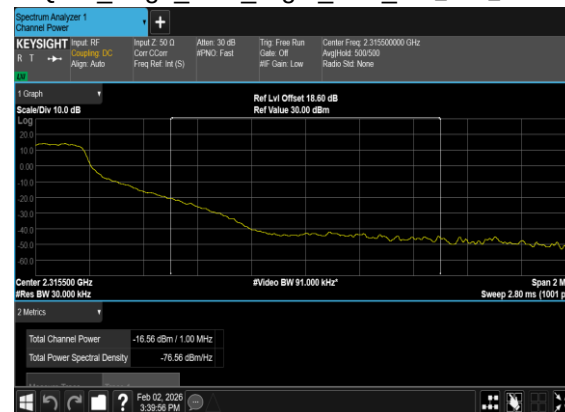
N30(10M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH\_CHP\_PAS



N30(10M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Right\_Low\_CH



N30(10M)\_CP-OFDM\_16  
QAM\_Edge\_1RB\_Right\_Low\_CH\_CHP\_PASS

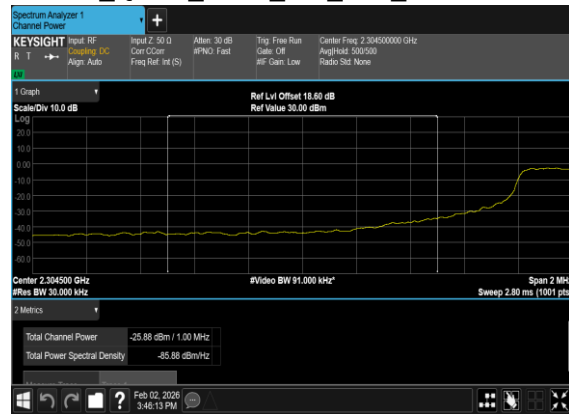




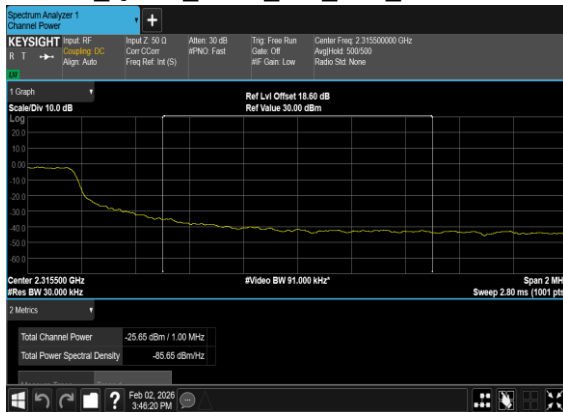
N30(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



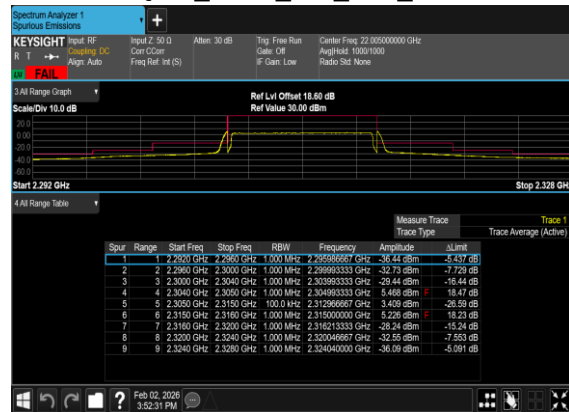
N30(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS



N30(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS

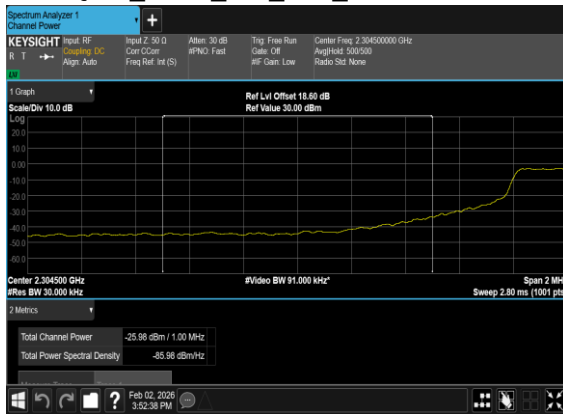


N30(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH

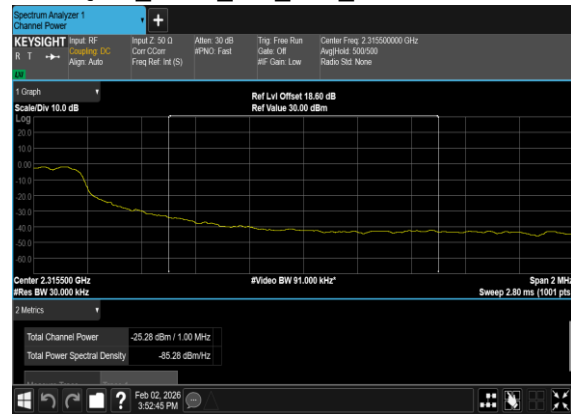




N30(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH\_CHP\_PASS



N30(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH\_CHP\_PASS



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |      |                     |         |
|-----------------|------|---------------------|---------|
| Test Engineer : | Jake | Temperature :       | 21~25°C |
|                 |      | Relative Humidity : | 51~53%  |

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

| SA n30 / 5MHz / QPSK / ANT4/ Main PA |                   |              |               |                   |                    |                      |                       |                    |
|--------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest                               | 4616              | -59.12       | -40           | -19.12            | -70.58             | 2.84                 | 14.30                 | H                  |
|                                      | 6912              | -53.45       | -40           | -13.45            | -63.39             | 3.49                 | 13.43                 | H                  |
|                                      | 9222              | -60.16       | -40           | -20.16            | -70.40             | 3.85                 | 14.09                 | H                  |
|                                      | 4616              | -55.85       | -40           | -15.85            | -67.31             | 2.84                 | 14.30                 | V                  |
|                                      | 6912              | -45.39       | -40           | -5.39             | -55.33             | 3.49                 | 13.43                 | V                  |
|                                      | 9222              | -59.78       | -40           | -19.78            | -70.02             | 3.85                 | 14.09                 | V                  |
| Middle                               | 4616              | -58.63       | -40           | -18.63            | -70.09             | 2.84                 | 14.30                 | H                  |
|                                      | 6926              | -51.92       | -40           | -11.92            | -61.86             | 3.49                 | 13.43                 | H                  |
|                                      | 9236              | -60.37       | -40           | -20.37            | -70.61             | 3.85                 | 14.09                 | H                  |
|                                      | 4616              | -55.81       | -40           | -15.81            | -67.27             | 2.84                 | 14.30                 | V                  |
|                                      | 6926              | -51.35       | -40           | -11.35            | -61.29             | 3.49                 | 13.43                 | V                  |
|                                      | 9236              | -60.35       | -40           | -20.35            | -70.59             | 3.85                 | 14.09                 | V                  |
| Highest                              | 4616              | -58.81       | -40           | -18.81            | -70.27             | 2.84                 | 14.30                 | H                  |
|                                      | 6926              | -54.30       | -40           | -14.30            | -64.24             | 3.49                 | 13.43                 | H                  |
|                                      | 9236              | -59.61       | -40           | -19.61            | -69.85             | 3.85                 | 14.09                 | H                  |
|                                      | 4616              | -55.50       | -40           | -15.50            | -66.96             | 2.84                 | 14.30                 | V                  |
|                                      | 6926              | -52.09       | -40           | -12.09            | -62.03             | 3.49                 | 13.43                 | V                  |
|                                      | 9236              | -60.17       | -40           | -20.17            | -70.41             | 3.85                 | 14.09                 | V                  |

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

| SA n30 / 10MHz / QPSK / ANT4/ Main PA |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                | 4616              | -59.64       | -40           | -19.64            | -71.10             | 2.84                 | 14.30                 | H                  |
|                                       | 6912              | -54.79       | -40           | -14.79            | -64.73             | 3.49                 | 13.43                 | H                  |
|                                       | 9222              | -60.08       | -40           | -20.08            | -70.32             | 3.85                 | 14.09                 | H                  |
|                                       | 4616              | -57.45       | -40           | -17.45            | -68.91             | 2.84                 | 14.30                 | V                  |
|                                       | 6912              | -55.09       | -40           | -15.09            | -65.03             | 3.49                 | 13.43                 | V                  |
|                                       | 9222              | -60.10       | -40           | -20.10            | -70.34             | 3.85                 | 14.09                 | V                  |

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

| SA n30 / 5MHz / QPSK / ANT2/ PA Reference Designator |                   |              |               |                   |                    |                      |                       |                    |
|------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest                                               | 4616              | -57.04       | -40           | -17.04            | -68.50             | 2.84                 | 14.30                 | H                  |
|                                                      | 6912              | -53.22       | -40           | -13.22            | -63.16             | 3.49                 | 13.43                 | H                  |
|                                                      | 9222              | -59.84       | -40           | -19.84            | -70.08             | 3.85                 | 14.09                 | H                  |
|                                                      | 4616              | -55.65       | -40           | -15.65            | -67.11             | 2.84                 | 14.30                 | V                  |
|                                                      | 6912              | -50.66       | -40           | -10.66            | -60.60             | 3.49                 | 13.43                 | V                  |
|                                                      | 9222              | -60.17       | -40           | -20.17            | -70.41             | 3.85                 | 14.09                 | V                  |
| Middle                                               | 4616              | -58.70       | -40           | -18.70            | -70.16             | 2.84                 | 14.30                 | H                  |
|                                                      | 6926              | -50.84       | -40           | -10.84            | -60.78             | 3.49                 | 13.43                 | H                  |
|                                                      | 9236              | -59.76       | -40           | -19.76            | -70.00             | 3.85                 | 14.09                 | H                  |
|                                                      | 4616              | -54.10       | -40           | -14.10            | -65.56             | 2.84                 | 14.30                 | V                  |
|                                                      | 6926              | -49.85       | -40           | -9.85             | -59.79             | 3.49                 | 13.43                 | V                  |
|                                                      | 9236              | -59.72       | -40           | -19.72            | -69.96             | 3.85                 | 14.09                 | V                  |
| Highest                                              | 4616              | -60.56       | -40           | -20.56            | -72.02             | 2.84                 | 14.30                 | H                  |
|                                                      | 6926              | -54.59       | -40           | -14.59            | -64.53             | 3.49                 | 13.43                 | H                  |
|                                                      | 9236              | -59.92       | -40           | -19.92            | -70.16             | 3.85                 | 14.09                 | H                  |
|                                                      | 4616              | -55.74       | -40           | -15.74            | -67.20             | 2.84                 | 14.30                 | V                  |
|                                                      | 6926              | -52.86       | -40           | -12.86            | -62.80             | 3.49                 | 13.43                 | V                  |
|                                                      | 9236              | -60.61       | -40           | -20.61            | -70.85             | 3.85                 | 14.09                 | V                  |

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

| SA n30 / 10MHz / QPSK / ANT2/ PA Reference Designator |                   |              |               |                   |                    |                      |                       |                    |
|-------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                                                | 4616              | -58.60       | -40           | -18.60            | -70.06             | 2.84                 | 14.30                 | H                  |
|                                                       | 6912              | -53.77       | -40           | -13.77            | -63.71             | 3.49                 | 13.43                 | H                  |
|                                                       | 9222              | -60.02       | -40           | -20.02            | -70.26             | 3.85                 | 14.09                 | H                  |
|                                                       | 4616              | -54.94       | -40           | -14.94            | -66.40             | 2.84                 | 14.30                 | V                  |
|                                                       | 6912              | -52.60       | -40           | -12.60            | -62.54             | 3.49                 | 13.43                 | V                  |
|                                                       | 9222              | -60.11       | -40           | -20.11            | -70.35             | 3.85                 | 14.09                 | V                  |

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

| UL-MIMO n30 / 10MHz / QPSK / ANT4+2 |                   |              |               |                   |                    |                      |                       |                    |
|-------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest                              | 4616              | -55.82       | -40           | -15.82            | -67.28             | 2.84                 | 14.30                 | H                  |
|                                     | 6912              | -53.03       | -40           | -13.03            | -62.97             | 3.49                 | 13.43                 | H                  |
|                                     | 9222              | -58.57       | -40           | -18.57            | -68.81             | 3.85                 | 14.09                 | H                  |
|                                     | 4616              | -56.95       | -40           | -16.95            | -68.41             | 2.84                 | 14.30                 | V                  |
|                                     | 6912              | -52.31       | -40           | -12.31            | -62.25             | 3.49                 | 13.43                 | V                  |
|                                     | 9222              | -60.21       | -40           | -20.21            | -70.45             | 3.85                 | 14.09                 | V                  |
| Middle                              | 4616              | -59.67       | -40           | -19.67            | -71.13             | 2.84                 | 14.30                 | H                  |
|                                     | 6926              | -53.26       | -40           | -13.26            | -63.20             | 3.49                 | 13.43                 | H                  |
|                                     | 9236              | -60.32       | -40           | -20.32            | -70.56             | 3.85                 | 14.09                 | H                  |
|                                     | 4616              | -56.47       | -40           | -16.47            | -67.93             | 2.84                 | 14.30                 | V                  |
|                                     | 6926              | -52.40       | -40           | -12.40            | -62.34             | 3.49                 | 13.43                 | V                  |
|                                     | 9236              | -60.20       | -40           | -20.20            | -70.44             | 3.85                 | 14.09                 | V                  |
| Highest                             | 4616              | -56.87       | -40           | -16.87            | -68.33             | 2.84                 | 14.30                 | H                  |
|                                     | 6926              | -54.66       | -40           | -14.66            | -64.60             | 3.49                 | 13.43                 | H                  |
|                                     | 9236              | -57.69       | -40           | -17.69            | -67.93             | 3.85                 | 14.09                 | H                  |
|                                     | 4616              | -54.92       | -40           | -14.92            | -66.38             | 2.84                 | 14.30                 | V                  |
|                                     | 6926              | -51.51       | -40           | -11.51            | -61.45             | 3.49                 | 13.43                 | V                  |
|                                     | 9236              | -59.92       | -40           | -19.92            | -70.16             | 3.85                 | 14.09                 | V                  |

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

| UL-MIMO n30 / 10MHz / QPSK / ANT4+2 |                   |              |               |                   |                    |                      |                       |                    |
|-------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                              | 4616              | -59.84       | -40           | -19.84            | -71.30             | 2.84                 | 14.30                 | H                  |
|                                     | 6912              | -55.94       | -40           | -15.94            | -65.88             | 3.49                 | 13.43                 | H                  |
|                                     | 9222              | -58.92       | -40           | -18.92            | -69.16             | 3.85                 | 14.09                 | H                  |
|                                     | 4616              | -58.57       | -40           | -18.57            | -70.03             | 2.84                 | 14.30                 | V                  |
|                                     | 6912              | -55.54       | -40           | -15.54            | -65.48             | 3.49                 | 13.43                 | V                  |
|                                     | 9222              | -60.36       | -40           | -20.36            | -70.60             | 3.85                 | 14.09                 | V                  |

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