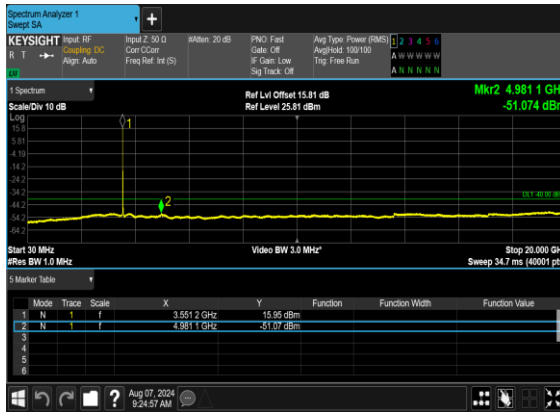




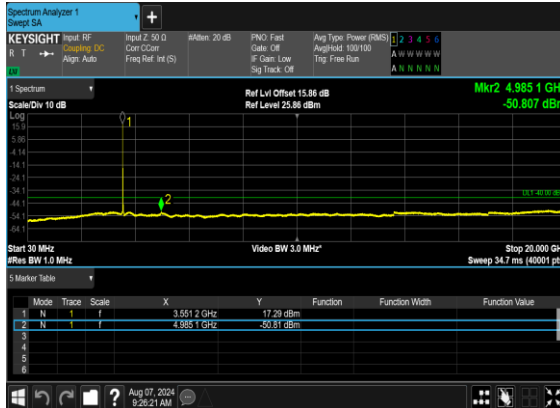
N48(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



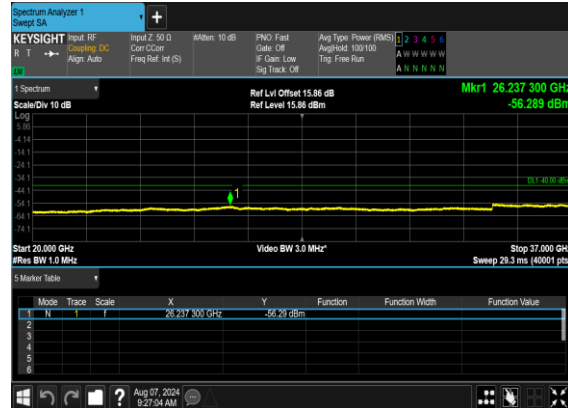
N48(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



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



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





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





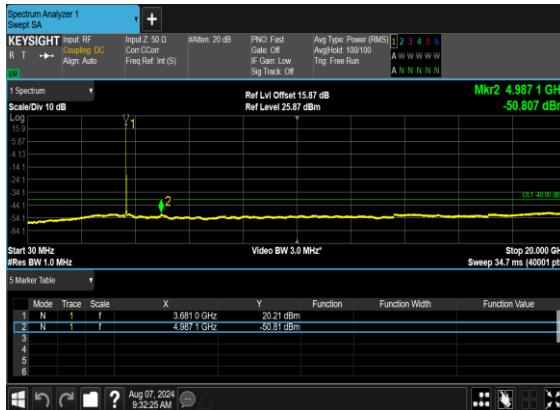
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OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



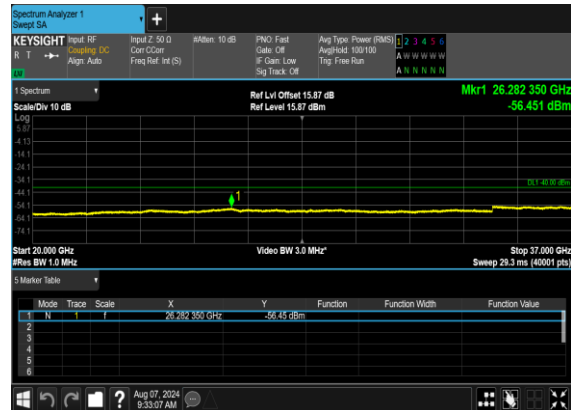
N48(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(20M)\_DFT-s-  
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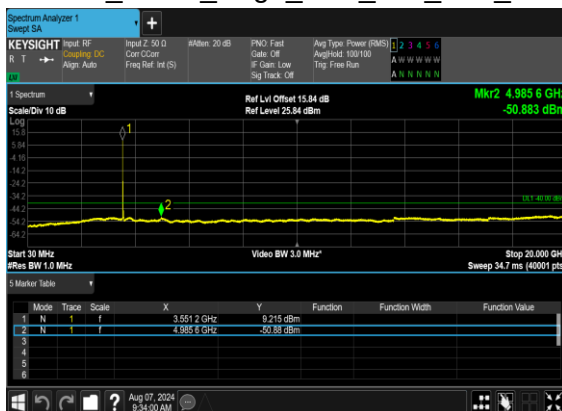


N48(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH





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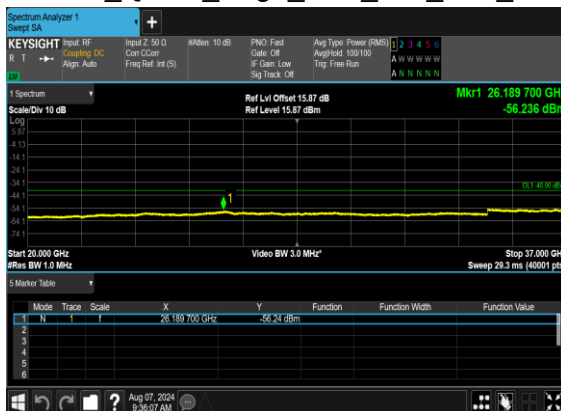
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OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



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

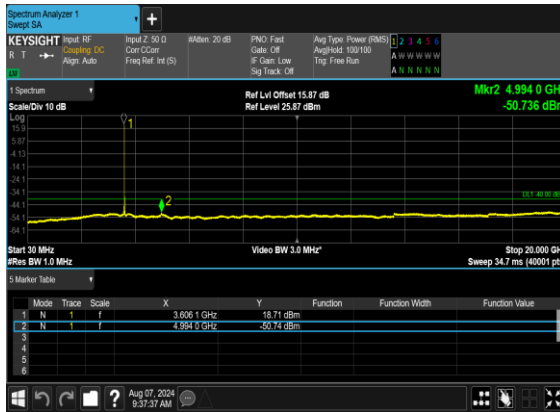


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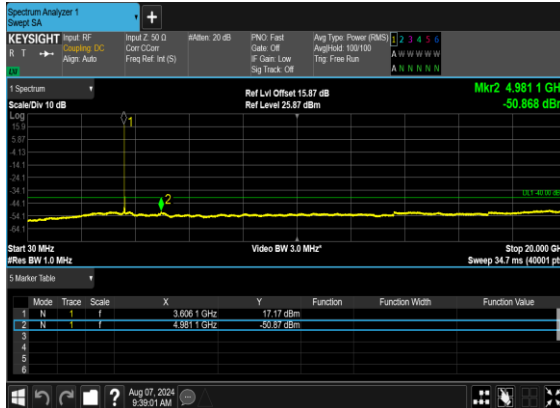
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OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



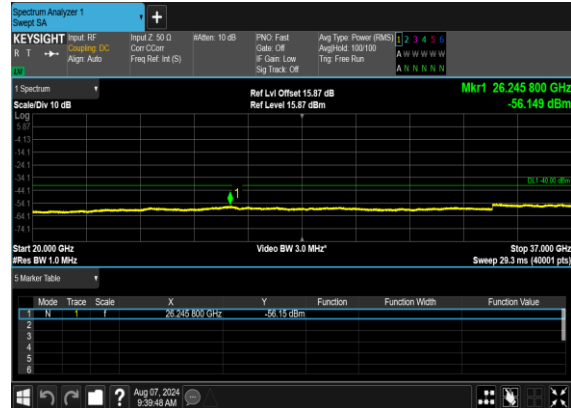
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OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



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



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





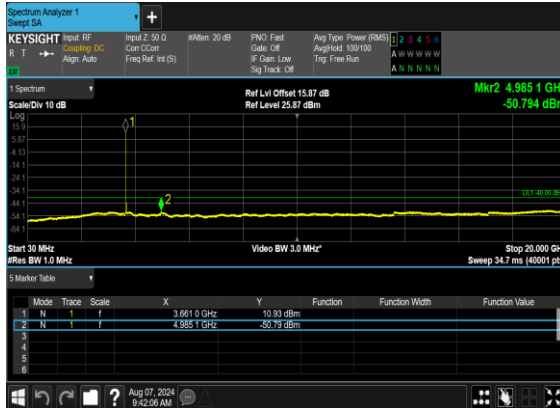
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OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



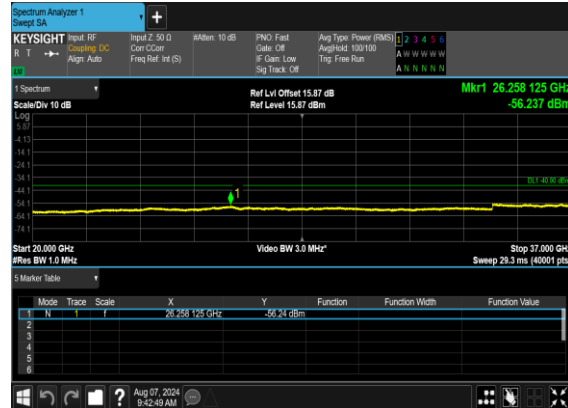
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OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



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



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



**Conducted Band Edge**

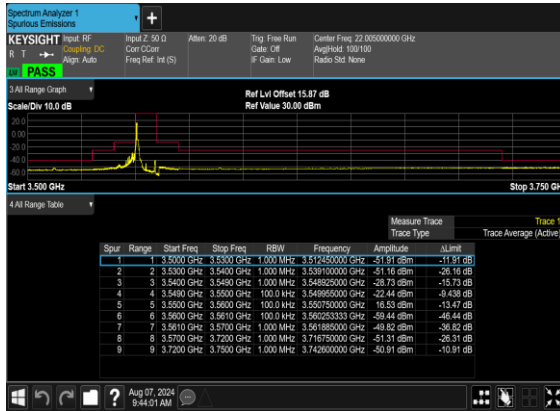
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------|---------|
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM BPSK | 1@23 | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK | 1@23 | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM BPSK | 24@0 | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK | 24@0 | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM BPSK | 1@23 | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM QPSK | 1@23 | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM BPSK | 24@0 | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM QPSK | 24@0 | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM BPSK | 1@23 | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM QPSK | 1@23 | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM BPSK | 24@0 | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM QPSK | 24@0 | see graph | PASS    |
| 48      | 30        | 20              | 637334 | 3560.01    | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 20              | 637334 | 3560.01    | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 20              | 637334 | 3560.01    | DFT-s-OFDM BPSK | 1@50 | see graph | PASS    |
| 48      | 30        | 20              | 637334 | 3560.01    | DFT-s-OFDM QPSK | 1@50 | see graph | PASS    |
| 48      | 30        | 20              | 637334 | 3560.01    | DFT-s-OFDM BPSK | 50@0 | see graph | PASS    |
| 48      | 30        | 20              | 637334 | 3560.01    | DFT-s-OFDM QPSK | 50@0 | see graph | PASS    |
| 48      | 30        | 20              | 641666 | 3624.99    | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 20              | 641666 | 3624.99    | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 48      | 30        | 20              | 641666 | 3624.99    | DFT-s-OFDM BPSK | 1@50 | see graph | PASS    |
| 48      | 30        | 20              | 641666 | 3624.99    | DFT-s-OFDM QPSK | 1@50 | see graph | PASS    |
| 48      | 30        | 20              | 641666 | 3624.99    | DFT-s-OFDM BPSK | 50@0 | see graph | PASS    |



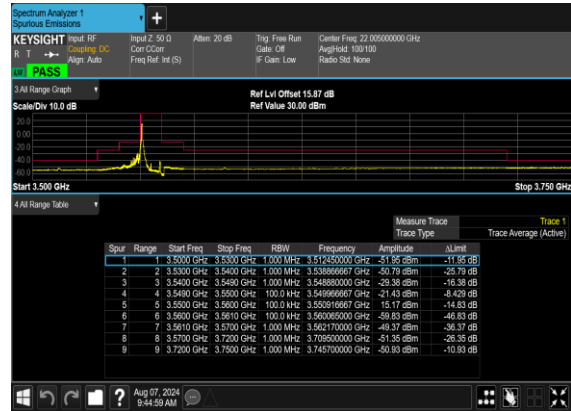
|    |    |    |        |         |                    |       |           |      |
|----|----|----|--------|---------|--------------------|-------|-----------|------|
|    |    |    |        |         | BPSK               |       |           |      |
| 48 | 30 | 20 | 641666 | 3624.99 | DFT-s-OFDM<br>QPSK | 50@0  | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0  | DFT-s-OFDM<br>BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0  | DFT-s-OFDM<br>QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0  | DFT-s-OFDM<br>BPSK | 1@50  | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0  | DFT-s-OFDM<br>QPSK | 1@50  | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0  | DFT-s-OFDM<br>BPSK | 50@0  | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0  | DFT-s-OFDM<br>QPSK | 50@0  | see graph | PASS |
| 48 | 30 | 40 | 638000 | 3570.0  | DFT-s-OFDM<br>BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 40 | 638000 | 3570.0  | DFT-s-OFDM<br>QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 40 | 638000 | 3570.0  | DFT-s-OFDM<br>BPSK | 1@105 | see graph | PASS |
| 48 | 30 | 40 | 638000 | 3570.0  | DFT-s-OFDM<br>QPSK | 1@105 | see graph | PASS |
| 48 | 30 | 40 | 638000 | 3570.0  | DFT-s-OFDM<br>BPSK | 100@0 | see graph | PASS |
| 48 | 30 | 40 | 638000 | 3570.0  | DFT-s-OFDM<br>QPSK | 100@0 | see graph | PASS |
| 48 | 30 | 40 | 641666 | 3624.99 | DFT-s-OFDM<br>BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 40 | 641666 | 3624.99 | DFT-s-OFDM<br>QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 40 | 641666 | 3624.99 | DFT-s-OFDM<br>BPSK | 1@105 | see graph | PASS |
| 48 | 30 | 40 | 641666 | 3624.99 | DFT-s-OFDM<br>QPSK | 1@105 | see graph | PASS |
| 48 | 30 | 40 | 641666 | 3624.99 | DFT-s-OFDM<br>BPSK | 100@0 | see graph | PASS |
| 48 | 30 | 40 | 641666 | 3624.99 | DFT-s-OFDM<br>QPSK | 100@0 | see graph | PASS |
| 48 | 30 | 40 | 645332 | 3679.98 | DFT-s-OFDM<br>BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 40 | 645332 | 3679.98 | DFT-s-OFDM<br>QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 40 | 645332 | 3679.98 | DFT-s-OFDM<br>BPSK | 1@105 | see graph | PASS |
| 48 | 30 | 40 | 645332 | 3679.98 | DFT-s-OFDM<br>QPSK | 1@105 | see graph | PASS |
| 48 | 30 | 40 | 645332 | 3679.98 | DFT-s-OFDM<br>BPSK | 100@0 | see graph | PASS |
| 48 | 30 | 40 | 645332 | 3679.98 | DFT-s-OFDM<br>QPSK | 100@0 | see graph | PASS |



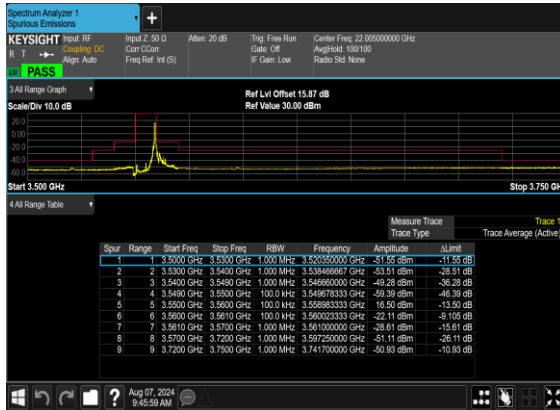
N48(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



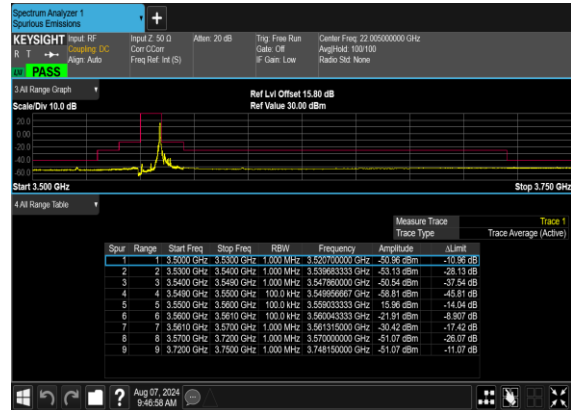
N48(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH

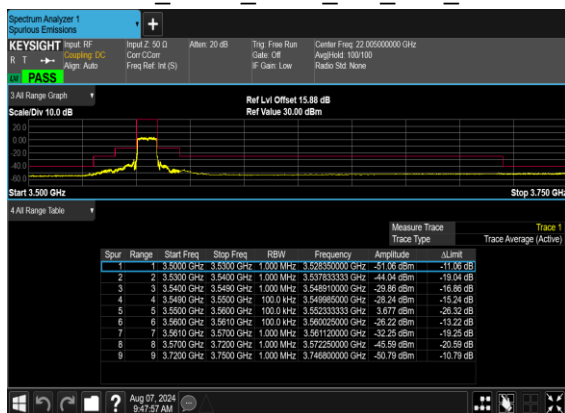


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OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH

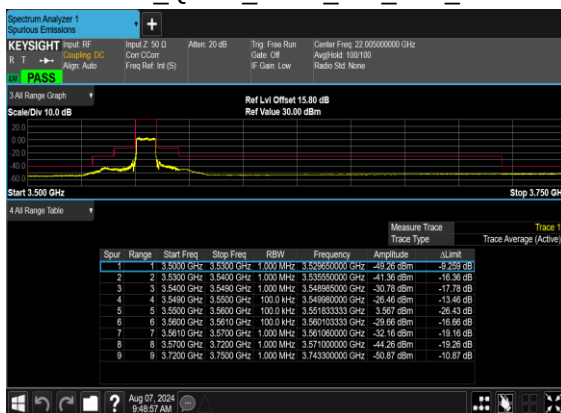




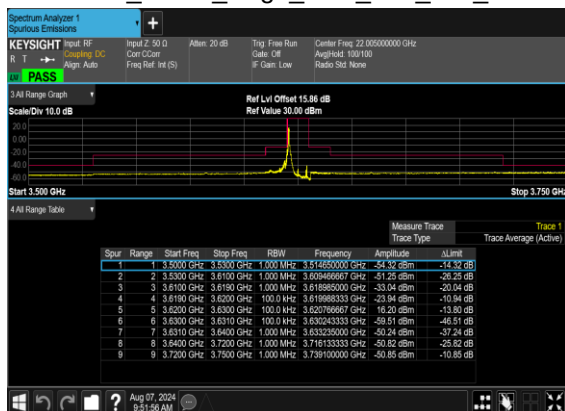
N48(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



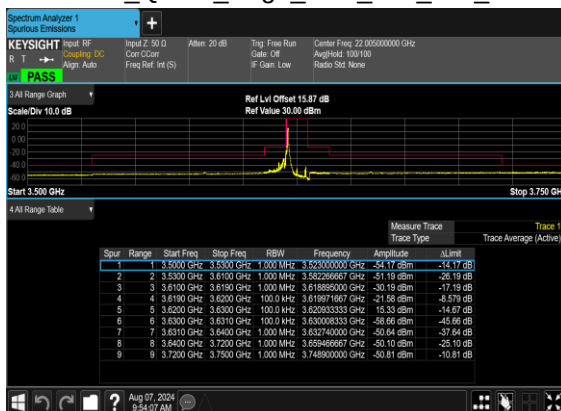
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OFDM\_QPSK\_Outer\_Full\_Low\_CH



N48(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

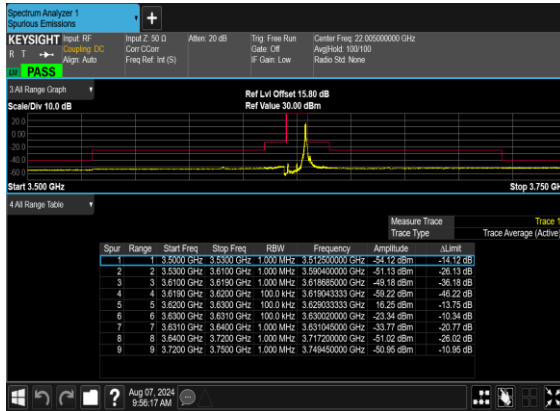


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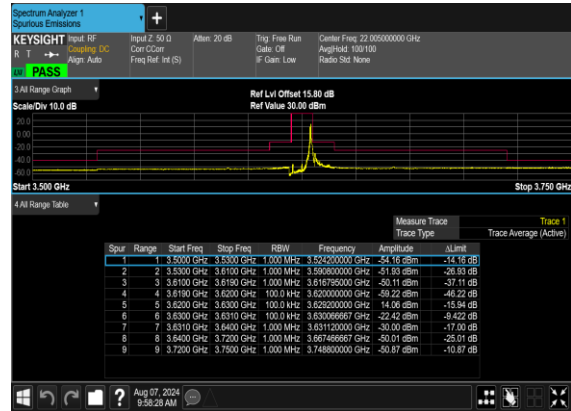




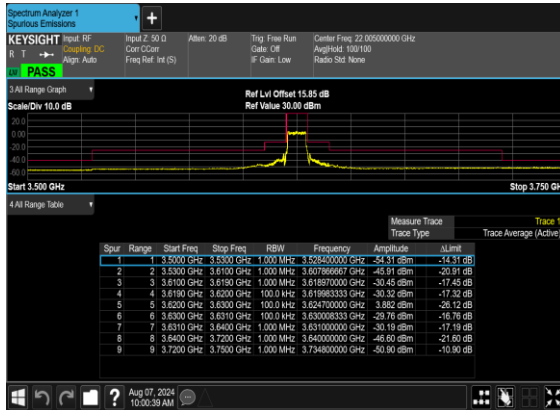
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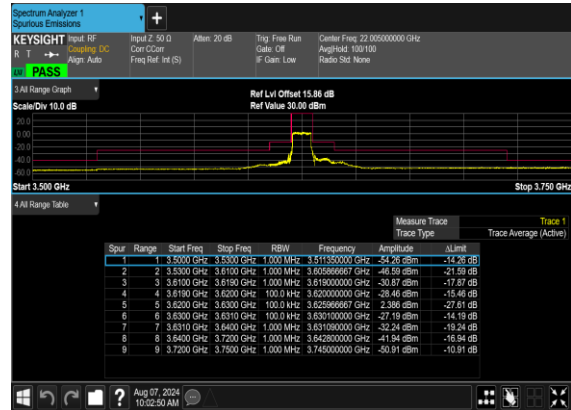
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OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



N48(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Mid\_CH

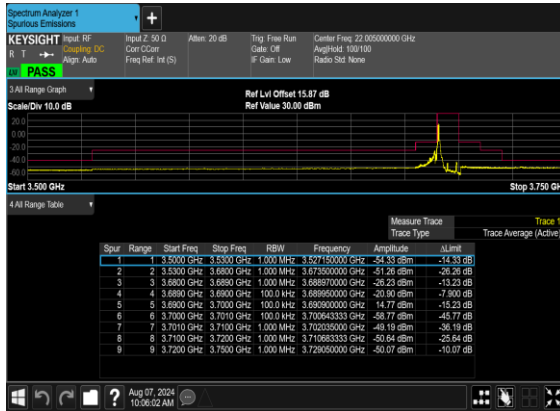


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OFDM\_QPSK\_Outer\_Full\_Mid\_CH

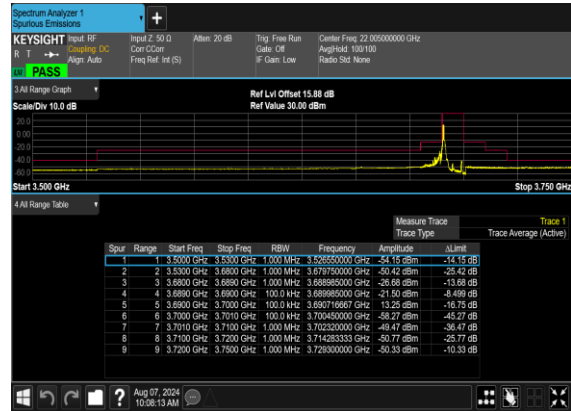




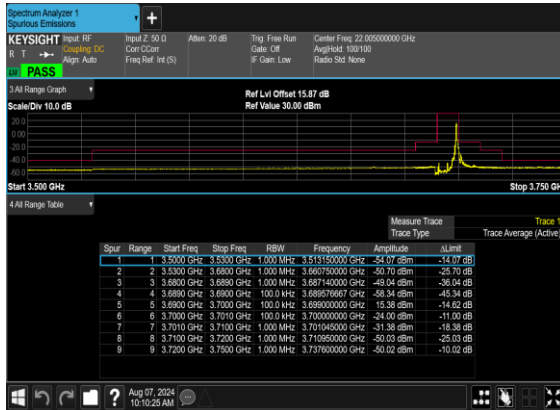
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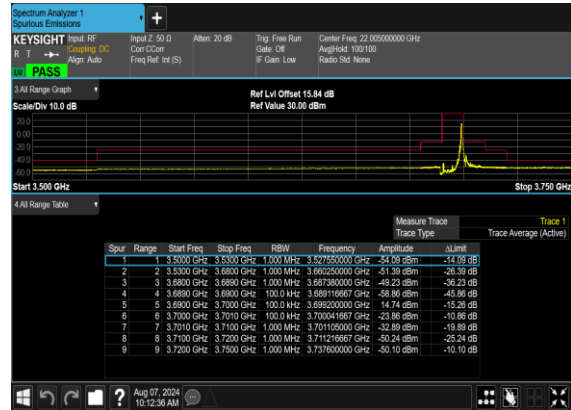
N48(10M)\_DFT-s-  
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N48(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH

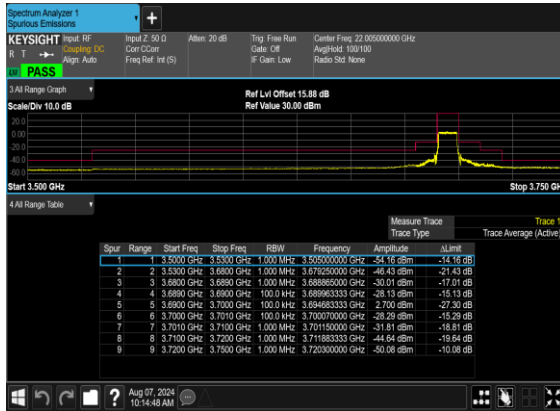


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OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH

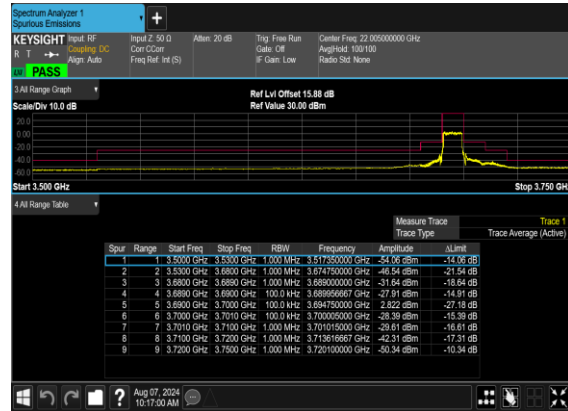




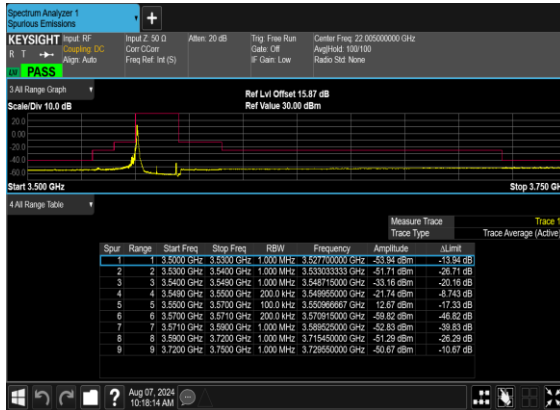
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OFDM\_BPSK\_Outer\_Full\_High\_CH



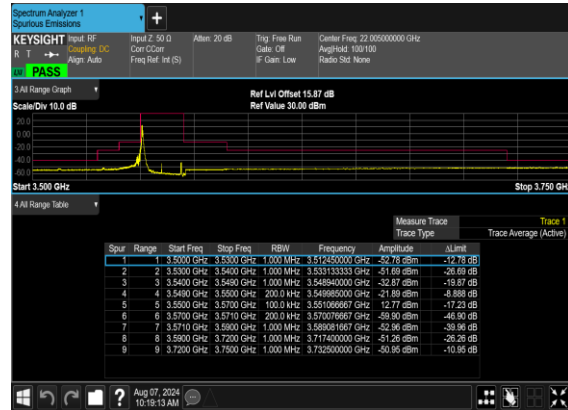
N48(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



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

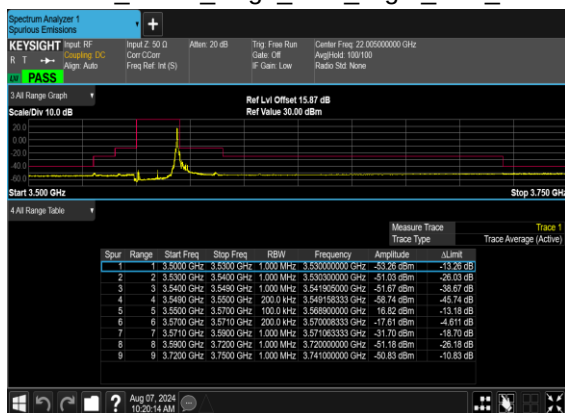


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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

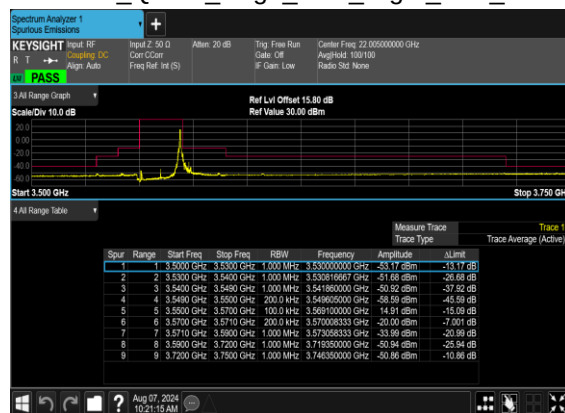




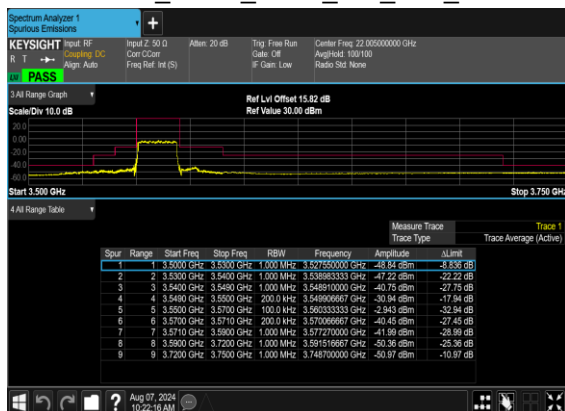
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OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH



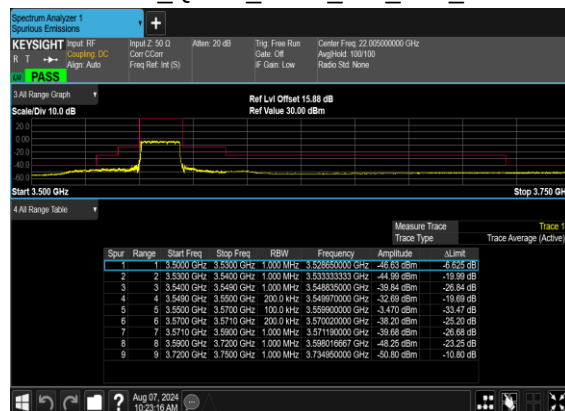
N48(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



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

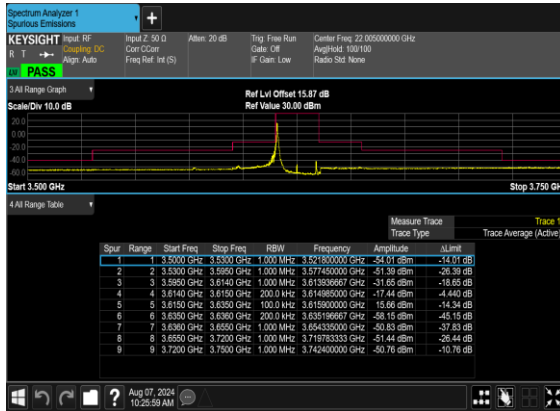


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OFDM\_QPSK\_Outer\_Full\_Low\_CH

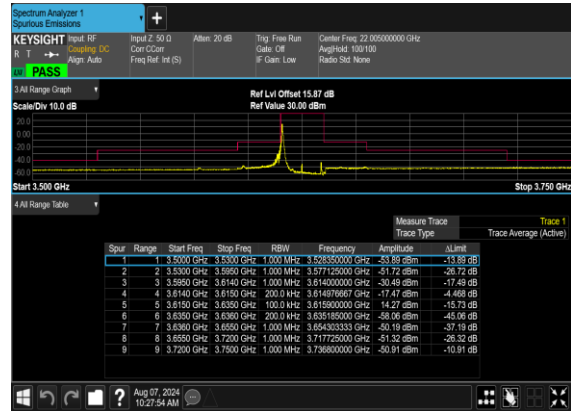




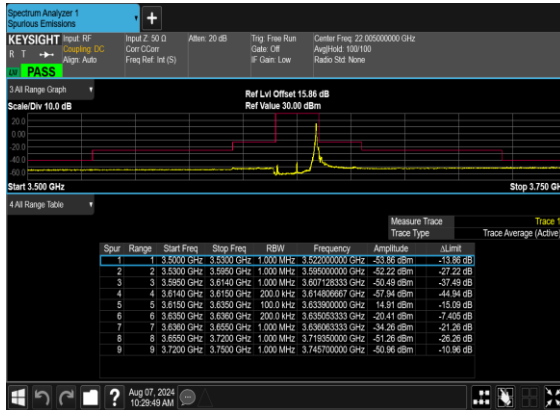
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OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



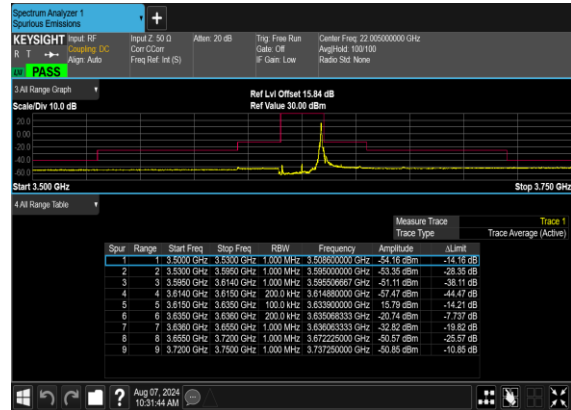
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OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



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

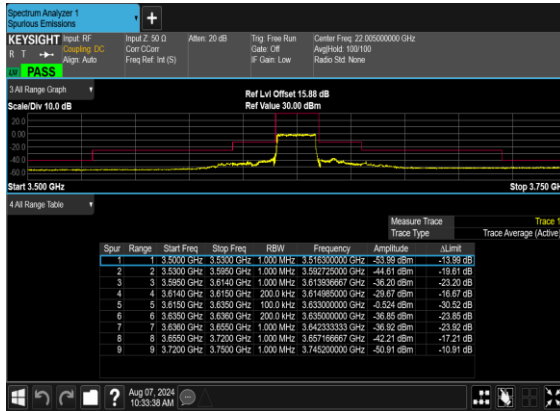


N48(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH

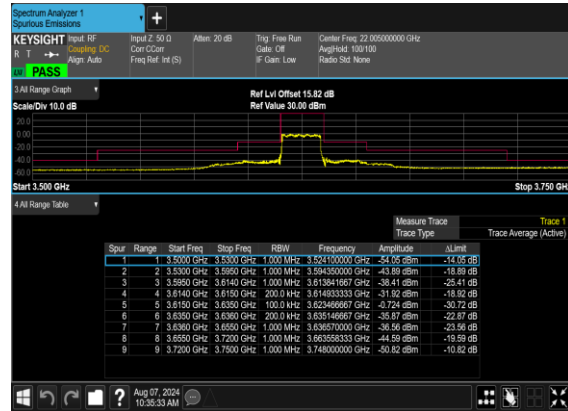




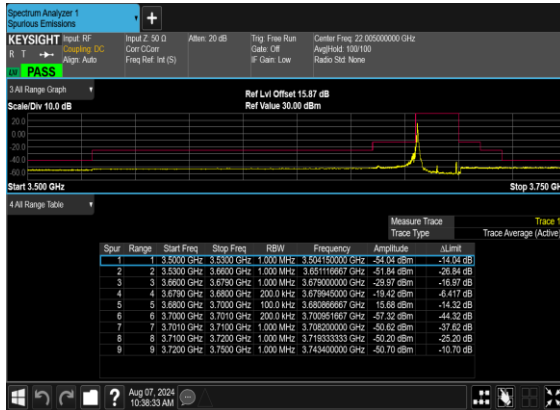
N48(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Mid\_CH



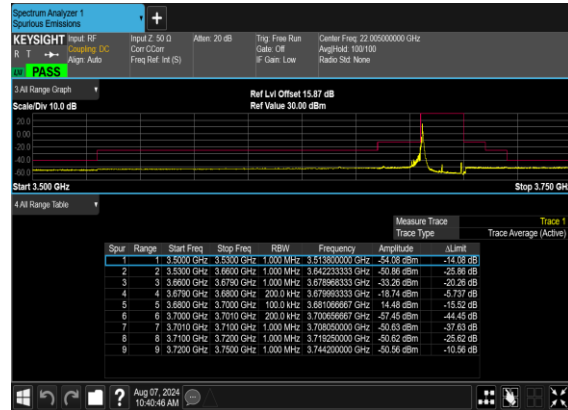
N48(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



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

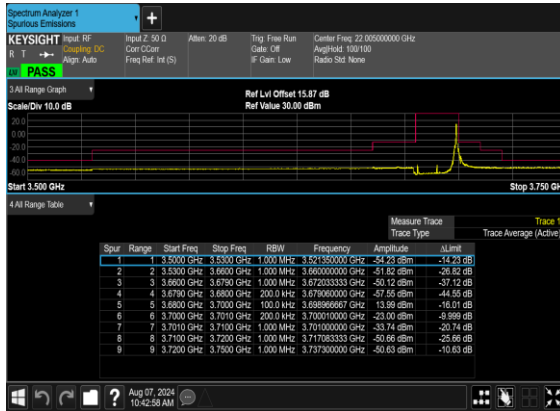


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OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

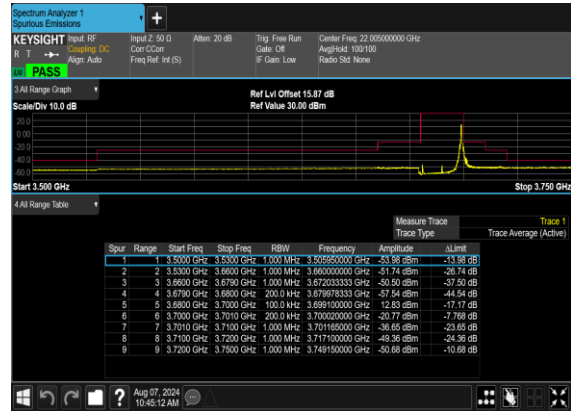




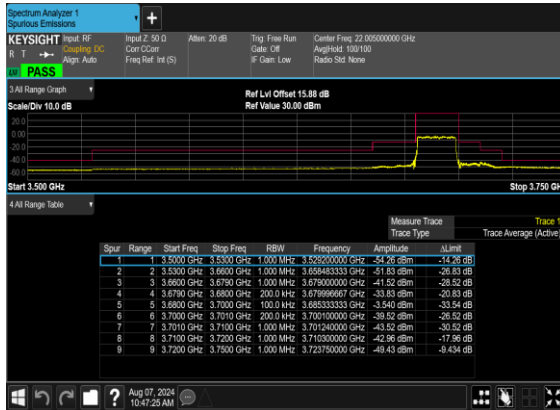
N48(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



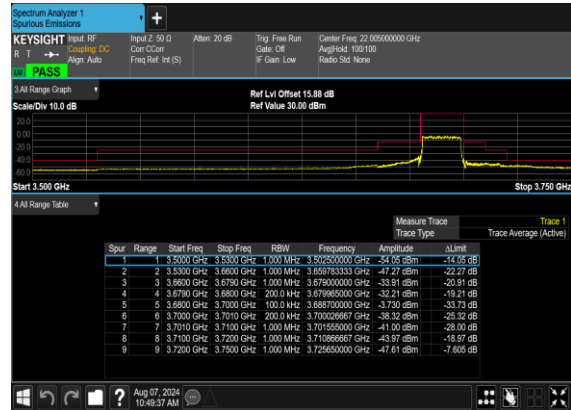
N48(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



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

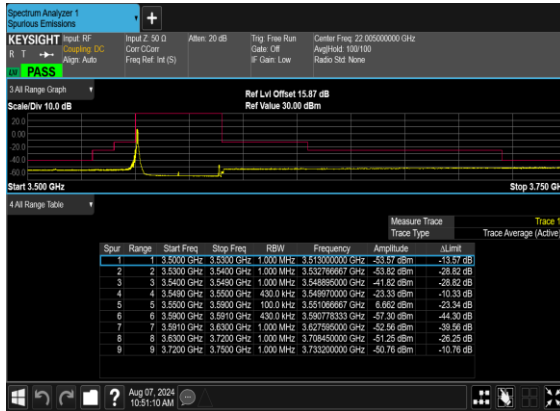


N48(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH

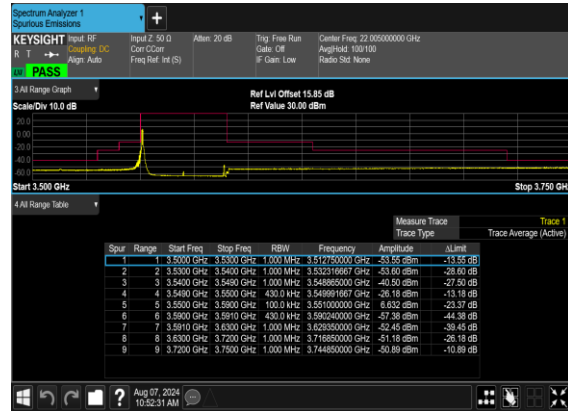




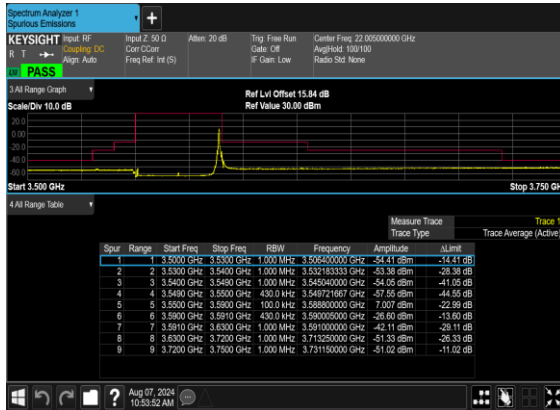
N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



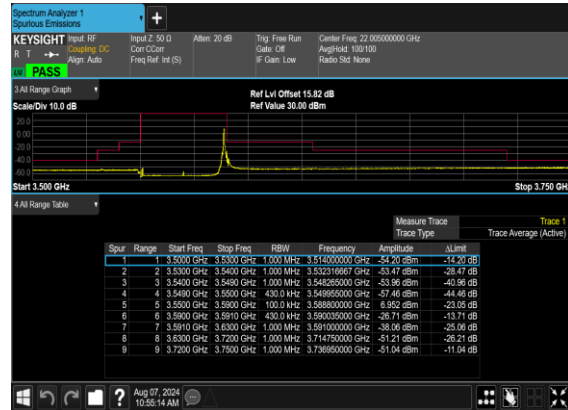
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(40M)\_DFT-s-  
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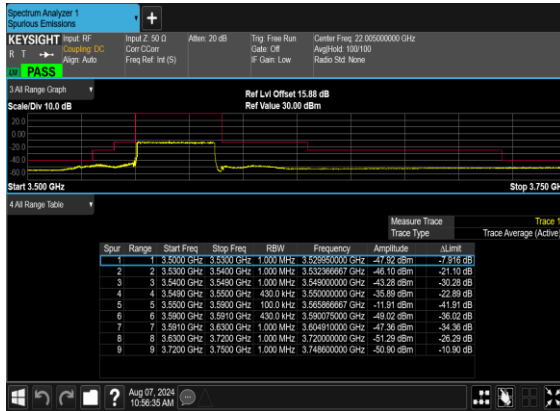


N48(40M)\_DFT-s-  
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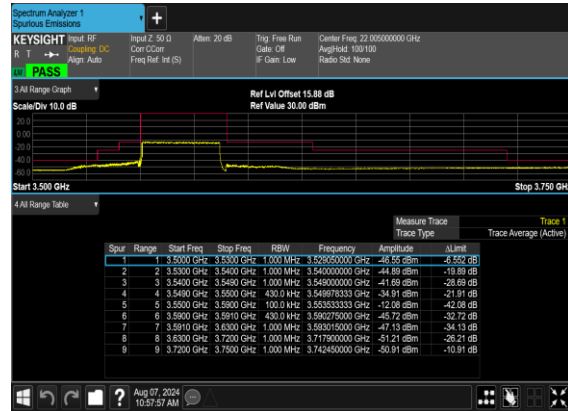




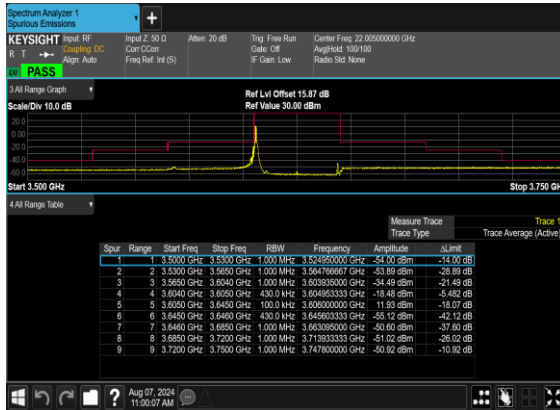
N48(40M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



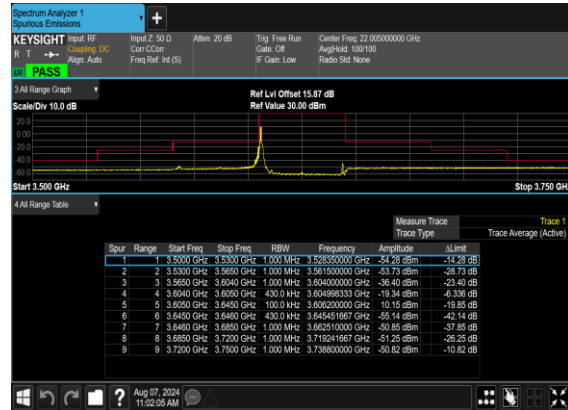
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



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

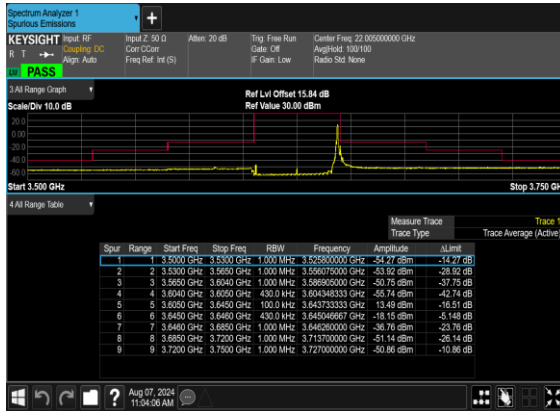


N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH





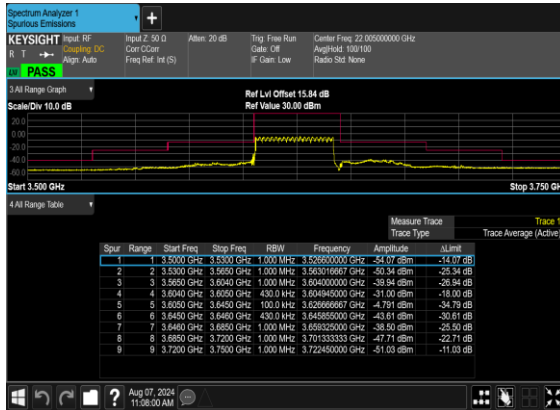
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OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



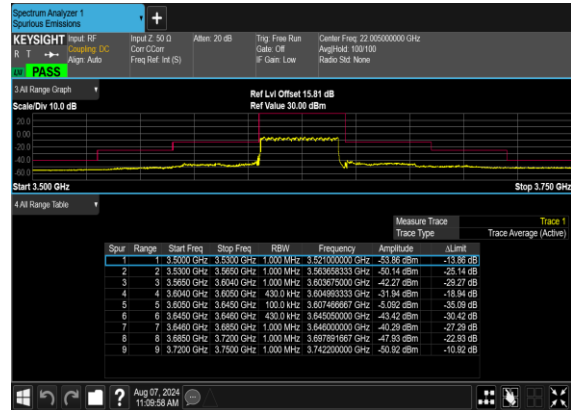
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



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

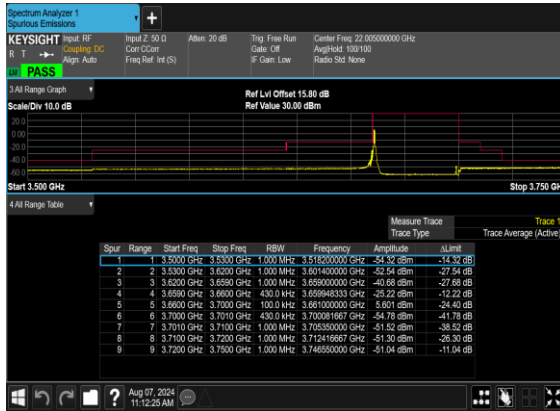


N48(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH

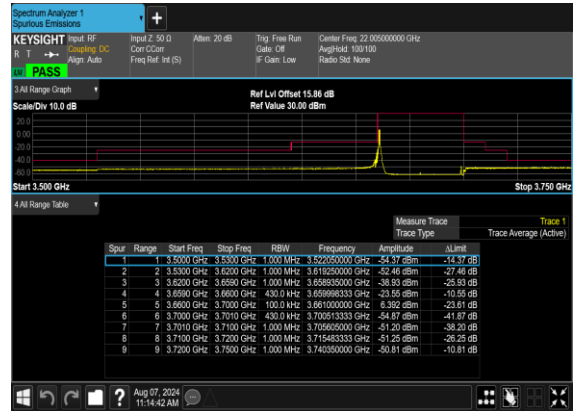




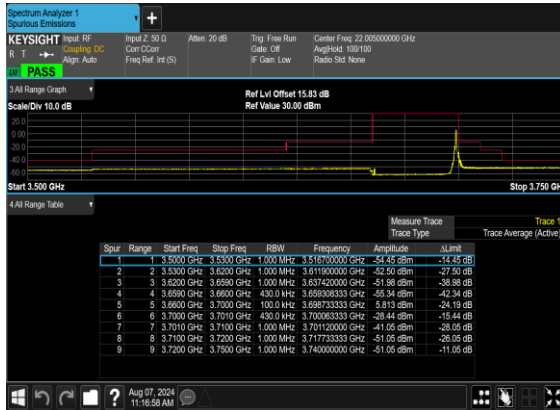
N48(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



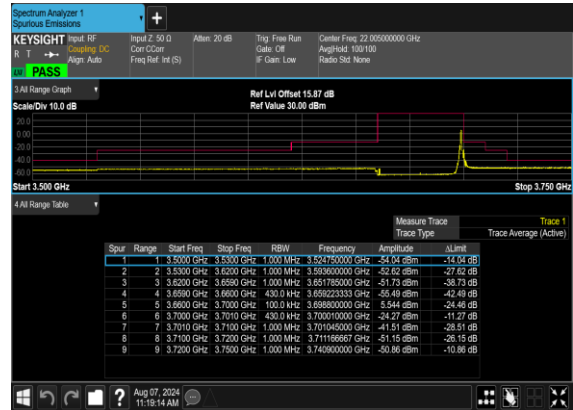
N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



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

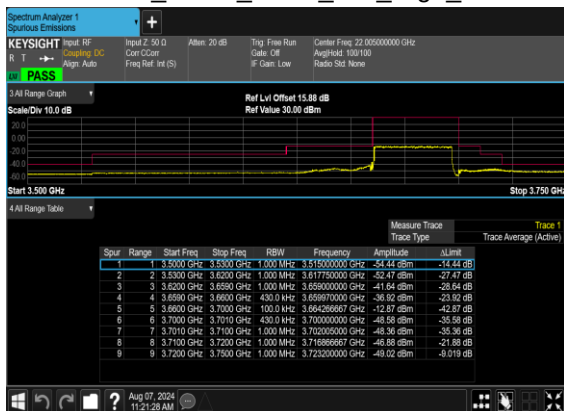


N48(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH

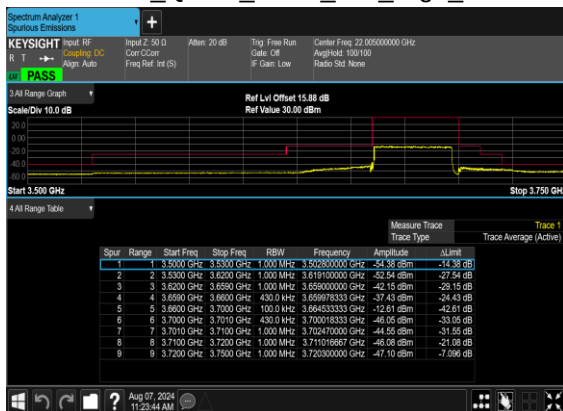




N48(40M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



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



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                        |           |                            |         |
|------------------------|-----------|----------------------------|---------|
| <b>Test Engineer :</b> | Jia Kuang | <b>Temperature :</b>       | 22~25°C |
|                        |           | <b>Relative Humidity :</b> | 48~52%  |

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

| SA n48 / 40MHz / QPSK / ANT10 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                        | 7104.00           | -57.56       | -40           | -17.56            | -65.75            | -60.89             | 8.25                 | 11.58                 | H                  |
|                               | 10656.00          | -54.98       | -40           | -14.98            | -67.86            | -56.53             | 10.45                | 12.00                 | H                  |
|                               | 14208.00          | -53.98       | -40           | -13.98            | -69.86            | -55.69             | 11.74                | 13.45                 | H                  |
|                               | 7104.00           | -56.28       | -40           | -16.28            | -65.63            | -59.61             | 8.25                 | 11.58                 | V                  |
|                               | 10656.00          | -51.66       | -40           | -11.66            | -67               | -53.21             | 10.45                | 12.00                 | V                  |
|                               | 14208.00          | -54.25       | -40           | -14.25            | -69.52            | -55.96             | 11.74                | 13.45                 | V                  |
| Middle                        | 7212.46           | -57.64       | -40           | -17.64            | -66.25            | -60.94             | 8.30                 | 11.60                 | H                  |
|                               | 10818.69          | -54.19       | -40           | -14.19            | -67.82            | -55.71             | 10.48                | 12.00                 | H                  |
|                               | 14424.92          | -53.44       | -40           | -13.44            | -69.61            | -55.14             | 11.80                | 13.50                 | H                  |
|                               | 7212.46           | -55.78       | -40           | -15.78            | -66.52            | -59.08             | 8.30                 | 11.60                 | V                  |
|                               | 10818.69          | -51.47       | -40           | -11.47            | -66.71            | -52.99             | 10.48                | 12.00                 | V                  |
|                               | 14424.92          | -53.87       | -40           | -13.87            | -69.60            | -55.57             | 11.80                | 13.50                 | V                  |
| Highest                       | 7323.96           | -57.20       | -40           | -17.20            | -66.04            | -60.50             | 8.32                 | 11.62                 | H                  |
|                               | 10985.94          | -53.93       | -40           | -13.93            | -68.24            | -55.61             | 10.52                | 12.20                 | H                  |
|                               | 14647.92          | -53.11       | -40           | -13.11            | -69.78            | -54.81             | 11.85                | 13.55                 | H                  |
|                               | 7323.96           | -56.35       | -40           | -16.35            | -65.94            | -59.65             | 8.32                 | 11.62                 | V                  |
|                               | 10985.94          | -53.11       | -40           | -13.11            | -68.17            | -54.79             | 10.52                | 12.20                 | V                  |
|                               | 14647.92          | -52.99       | -40           | -12.99            | -69.60            | -54.69             | 11.85                | 13.55                 | V                  |

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