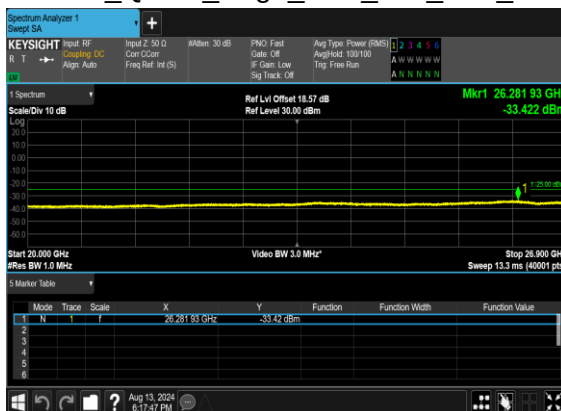




N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



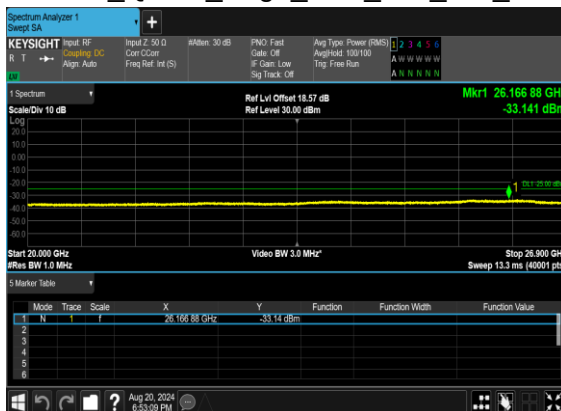
N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

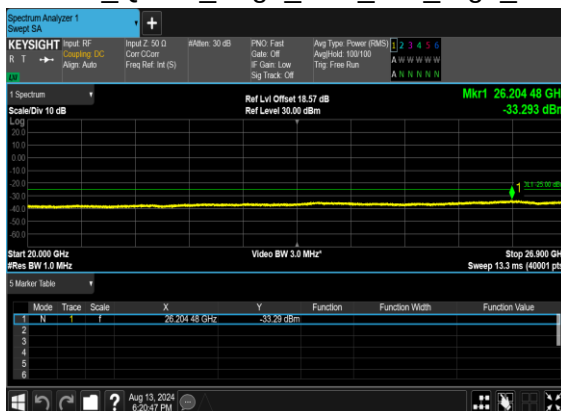




N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



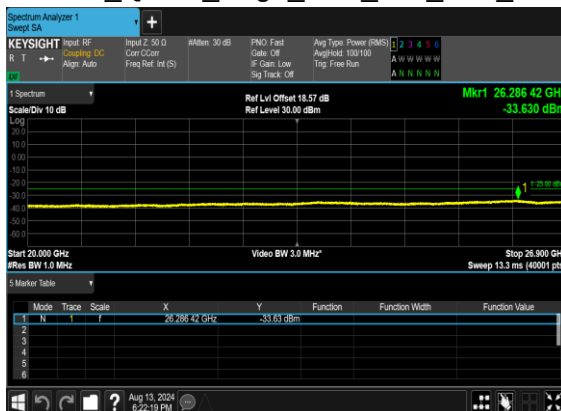
N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

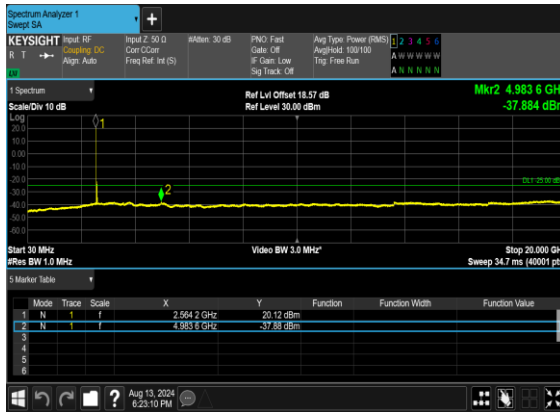


N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

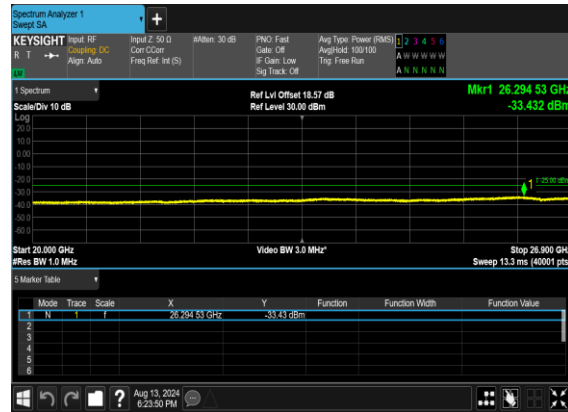




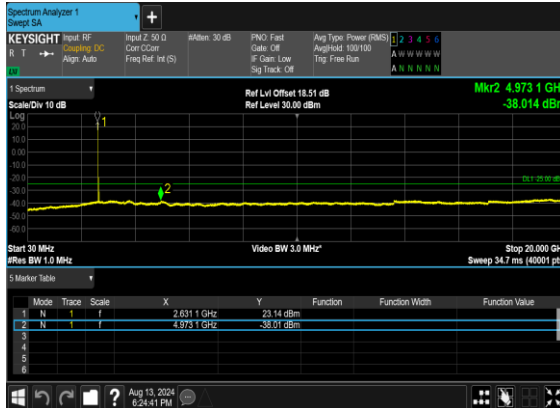
N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



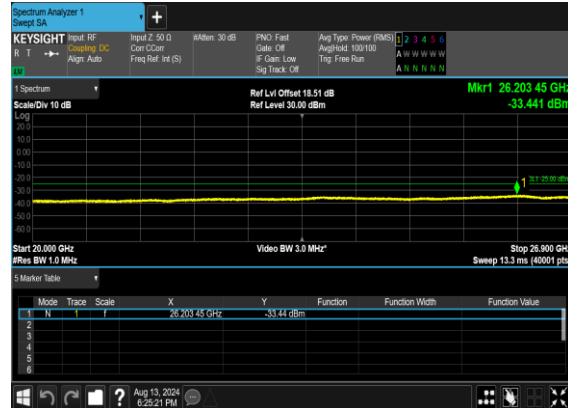
N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

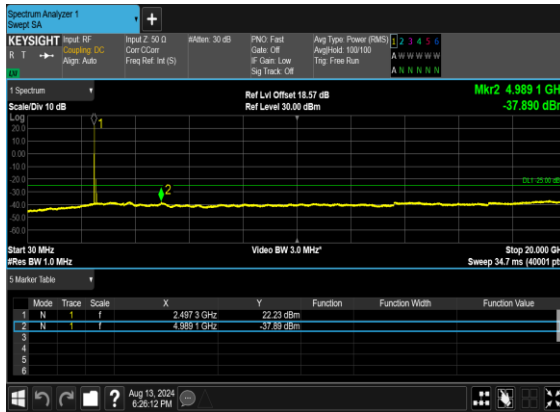


N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

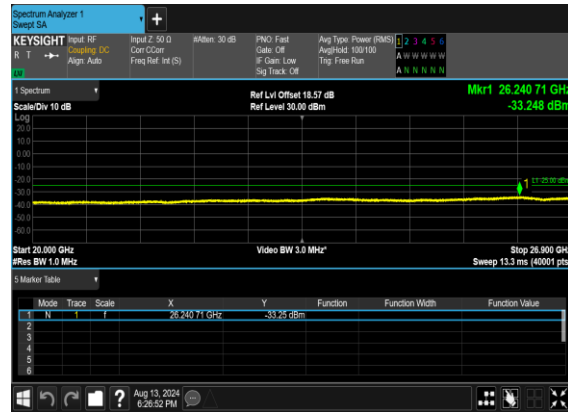




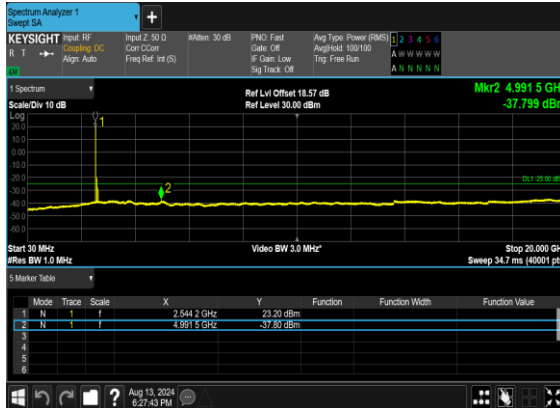
N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



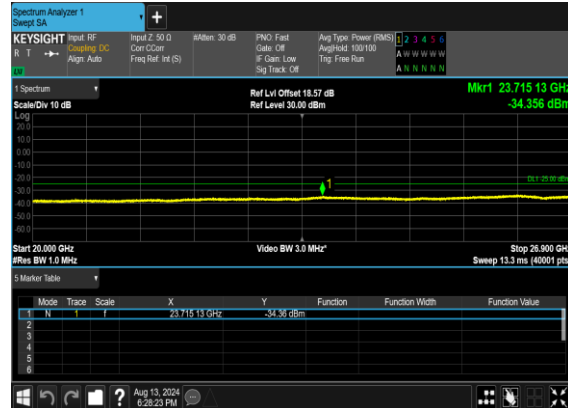
N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

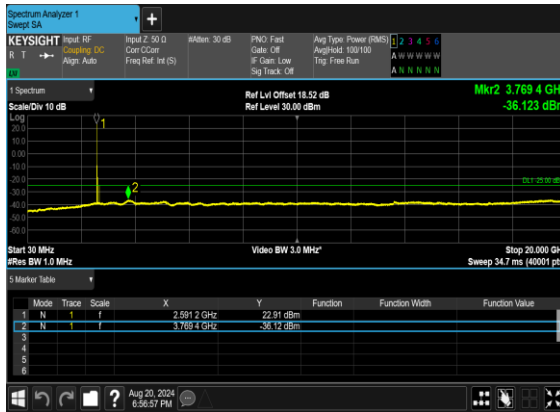


N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

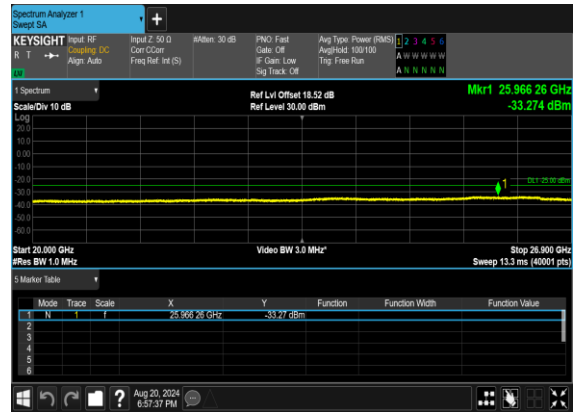




N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

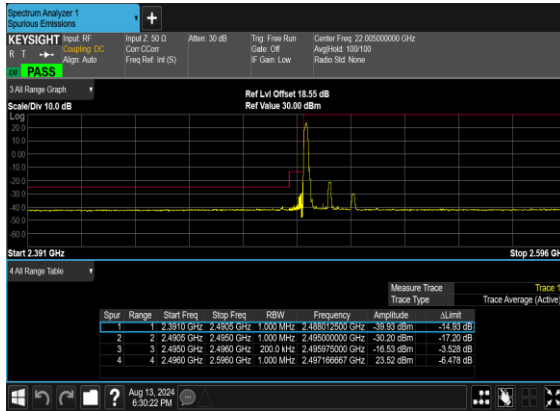


**Conducted Band Edge**

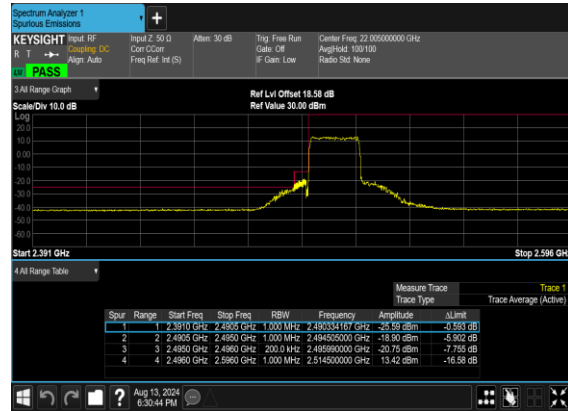
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation   | RB    | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|--------------|-------|-----------|---------|
| 41      | 30        | 20              | 501204 | 2506.02    | CP-OFDM QPSK | 1@0   | see graph | PASS    |
| 41      | 30        | 20              | 501204 | 2506.02    | CP-OFDM QPSK | 51@0  | see graph | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | CP-OFDM QPSK | 1@50  | see graph | PASS    |
| 41      | 30        | 20              | 535998 | 2679.99    | CP-OFDM QPSK | 51@0  | see graph | PASS    |
| 41      | 30        | 60              | 505200 | 2526.0     | CP-OFDM QPSK | 1@0   | see graph | PASS    |
| 41      | 30        | 60              | 505200 | 2526.0     | CP-OFDM QPSK | 162@0 | see graph | PASS    |
| 41      | 30        | 60              | 531996 | 2659.98    | CP-OFDM QPSK | 1@161 | see graph | PASS    |
| 41      | 30        | 60              | 531996 | 2659.98    | CP-OFDM QPSK | 162@0 | see graph | PASS    |
| 41      | 30        | 100             | 509202 | 2546.01    | CP-OFDM QPSK | 1@0   | see graph | PASS    |
| 41      | 30        | 100             | 509202 | 2546.01    | CP-OFDM QPSK | 273@0 | see graph | PASS    |
| 41      | 30        | 100             | 528000 | 2640.0     | CP-OFDM QPSK | 1@272 | see graph | PASS    |
| 41      | 30        | 100             | 528000 | 2640.0     | CP-OFDM QPSK | 273@0 | see graph | PASS    |



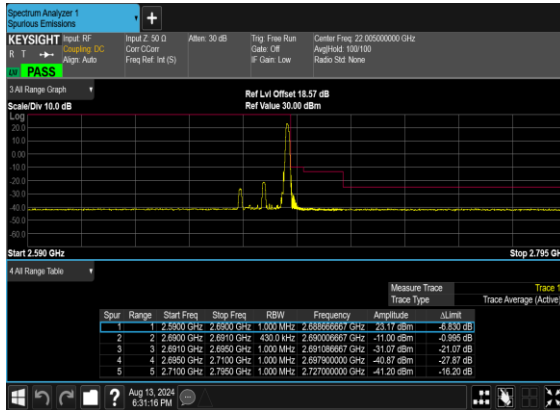
N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



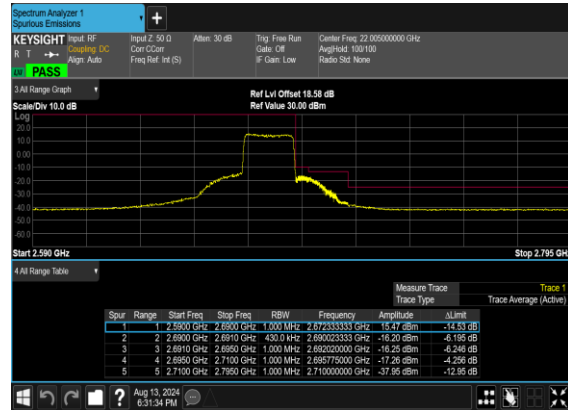
N41(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH

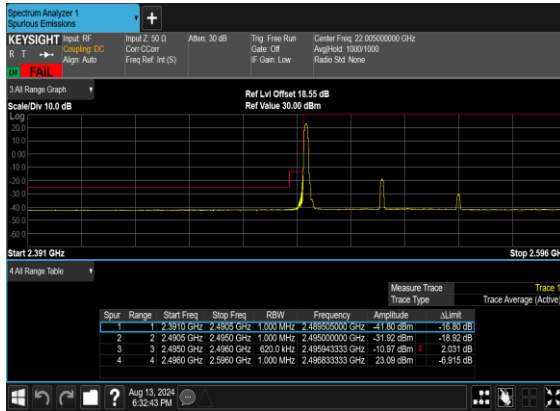


N41(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH

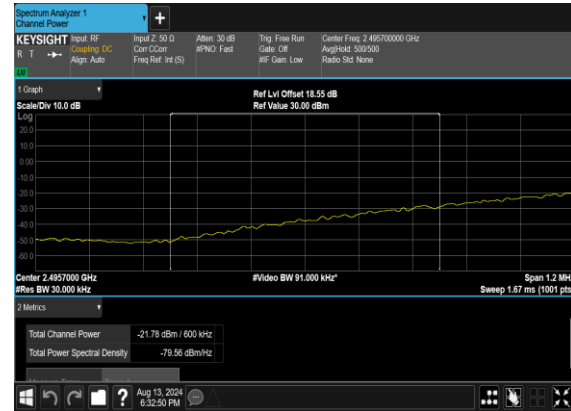




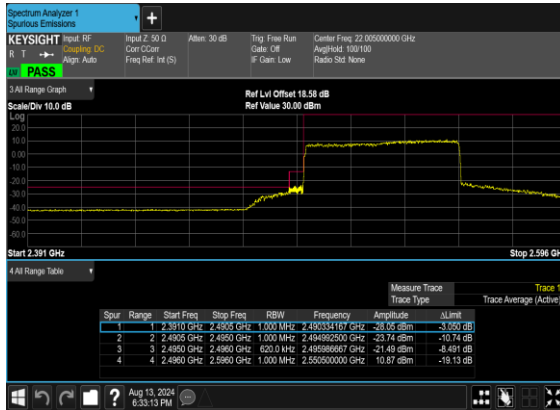
N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(60M)\_CP-OFDM\_QPSK  
Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



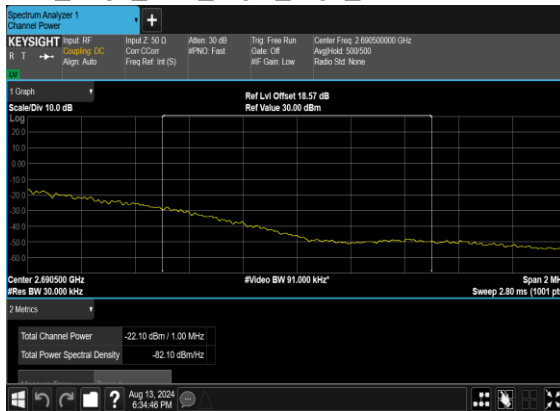
N41(60M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



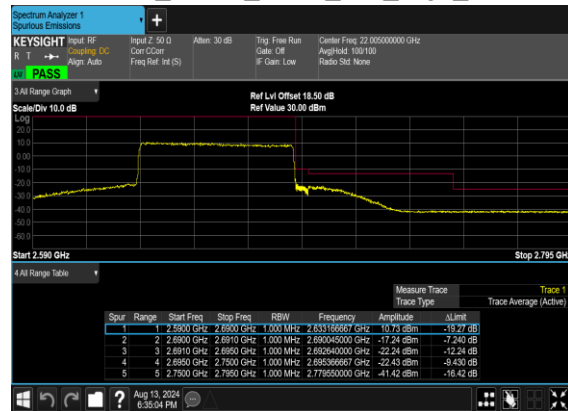
N41(60M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



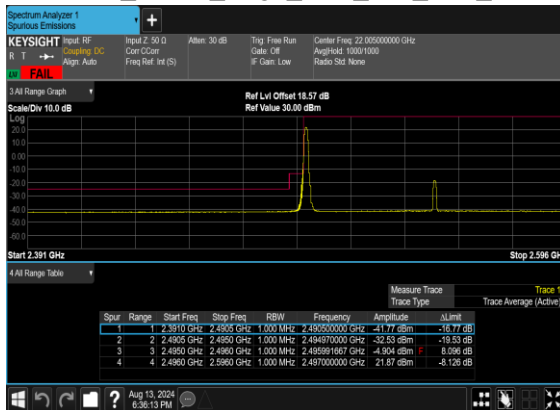
N41(60M)\_CP-OFDM\_QPSK  
\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



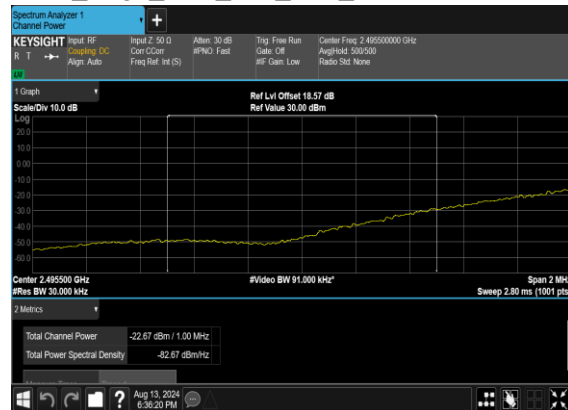
N41(60M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

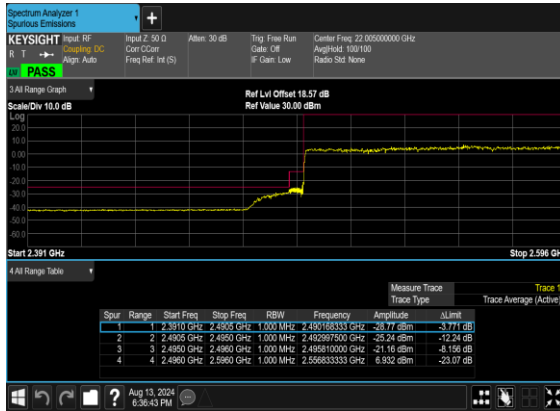


N41(100M)\_CP-OFDM\_QPSK  
\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS

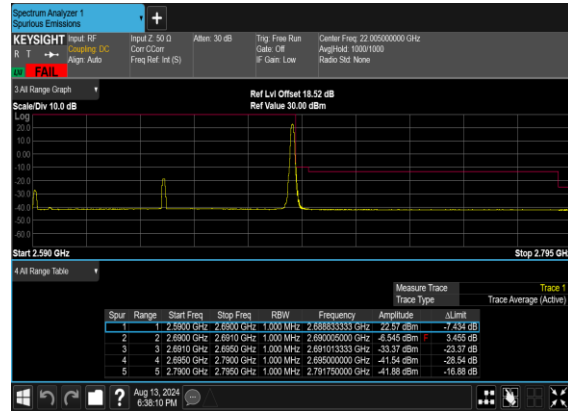




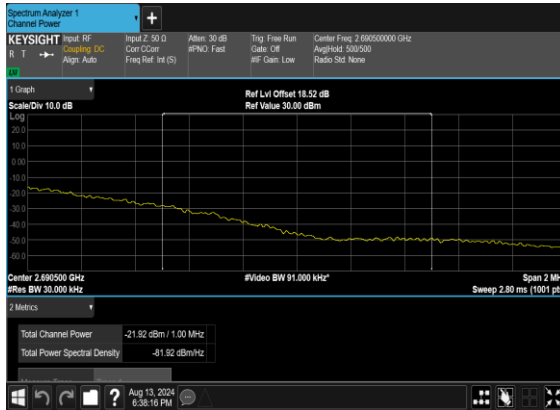
N41(100M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



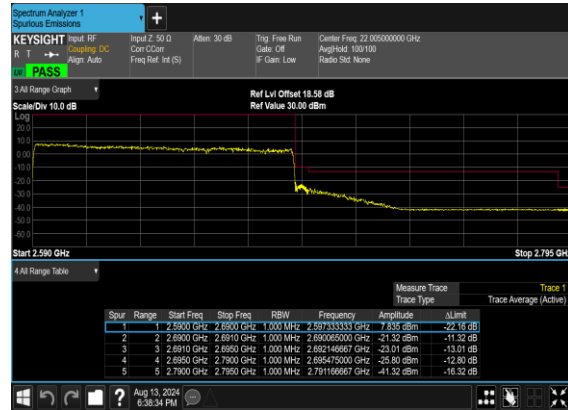
N41(100M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N41(100M)\_CP-OFDM\_QPSK  
\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



N41(100M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH





Software Version: 23.06.1602

## FR1 N70(ANT0)

Transmitter Conducted Output Power And EIRP, ( $G_T - L_C$ )=2.71dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|----------------------|------------|----------|
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM QPSK      | 1@1   | 23.56                | 26.27      | 0.4236   |
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.54                | 25.25      | 0.3350   |
| 70      | 15        | 5               | 340500 | 1702.5     | DFT-s-OFDM QPSK      | 1@1   | 23.51                | 26.22      | 0.4188   |
| 70      | 15        | 5               | 340500 | 1702.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.54                | 25.25      | 0.3350   |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM QPSK      | 1@1   | 23.58                | 26.29      | 0.4256   |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.63                | 25.34      | 0.3420   |
| 70      | 15        | 10              | 340000 | 1700       | DFT-s-OFDM QPSK      | 1@1   | 23.58                | 26.29      | 0.4256   |
| 70      | 15        | 10              | 340000 | 1700       | DFT-s-OFDM 16 QAM    | 1@1   | 22.57                | 25.28      | 0.3373   |
| 70      | 15        | 10              | 340500 | 1702.5     | DFT-s-OFDM QPSK      | 1@1   | 23.5                 | 26.21      | 0.4178   |
| 70      | 15        | 10              | 340500 | 1702.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.54                | 25.25      | 0.3350   |
| 70      | 15        | 10              | 341000 | 1705       | DFT-s-OFDM QPSK      | 1@1   | 23.51                | 26.22      | 0.4188   |
| 70      | 15        | 10              | 341000 | 1705       | DFT-s-OFDM 16 QAM    | 1@1   | 22.58                | 25.29      | 0.3381   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM PI/2 BPSK | 36@18 | 23.58                | 26.29      | 0.4256   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM PI/2 BPSK | 1@1   | 23.46                | 26.17      | 0.4140   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM PI/2 BPSK | 1@77  | 23.55                | 26.26      | 0.4227   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK      | 36@18 | 23.64                | 26.35      | 0.4315   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK      | 1@1   | 23.65                | 26.36      | 0.4325   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK      | 1@77  | 23.62                | 26.33      | 0.4295   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 16 QAM    | 36@18 | 22.57                | 25.28      | 0.3373   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.53                | 25.24      | 0.3342   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 16 QAM    | 1@77  | 22.66                | 25.37      | 0.3443   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 64 QAM    | 36@18 | 21                   | 23.71      | 0.2350   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 64 QAM    | 1@1   | 21.09                | 23.8       | 0.2399   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 64 QAM    | 1@77  | 21.17                | 23.88      | 0.2443   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 256 QAM   | 36@18 | 18.9                 | 21.61      | 0.1449   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 256 QAM   | 1@1   | 18.74                | 21.45      | 0.1396   |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM 256 QAM   | 1@77  | 18.75                | 21.46      | 0.1400   |
| 70      | 15        | 15              | 340500 | 1702.5     | CP-OFDM QPSK         | 39@19 | 22.09                | 24.8       | 0.3020   |
| 70      | 15        | 15              | 340500 | 1702.5     | CP-OFDM QPSK         | 1@1   | 22.09                | 24.8       | 0.3020   |
| 70      | 15        | 15              | 340500 | 1702.5     | CP-OFDM QPSK         | 1@77  | 22.13                | 24.84      | 0.3048   |



## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------------|---------|-------------|
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0042          | PASS    | NV          |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0031          | PASS    | LV          |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0063          | PASS    | HV          |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0042          | PASS    | -30℃        |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0052          | PASS    | -20℃        |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0031          | PASS    | -10℃        |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0042          | PASS    | 0℃          |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0056          | PASS    | 10℃         |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0042          | PASS    | 20℃         |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0043          | PASS    | 30℃         |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0059          | PASS    | 40℃         |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | 0.0020          | PASS    | 50℃         |

## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|------|-------------|------------|---------|
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM PI/2 BPSK | 75@0 | 3.35        | 13         | PASS    |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK      | 75@0 | 5.01        | 13         | PASS    |

N70(15M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



N70(15M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH





## Occupied Bandwidth

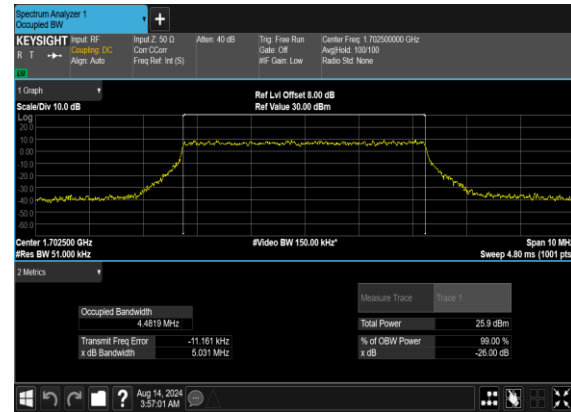
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | OBW (MHz) | 26dB BW (MHz) |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------|---------------|
| 70      | 15        | 5               | 340500 | 1702.5     | CP-OFDM QPSK    | 25@0 | 4.4681    | 5.059         |
| 70      | 15        | 5               | 340500 | 1702.5     | CP-OFDM 16 QAM  | 25@0 | 4.4819    | 5.031         |
| 70      | 15        | 5               | 340500 | 1702.5     | CP-OFDM 64 QAM  | 25@0 | 4.4642    | 4.975         |
| 70      | 15        | 5               | 340500 | 1702.5     | CP-OFDM 256 QAM | 25@0 | 4.4797    | 5.059         |
| 70      | 15        | 10              | 340500 | 1702.5     | CP-OFDM QPSK    | 52@0 | 9.2659    | 10.05         |
| 70      | 15        | 10              | 340500 | 1702.5     | CP-OFDM 16 QAM  | 52@0 | 9.2818    | 9.989         |
| 70      | 15        | 10              | 340500 | 1702.5     | CP-OFDM 64 QAM  | 52@0 | 9.2581    | 10.08         |
| 70      | 15        | 10              | 340500 | 1702.5     | CP-OFDM 256 QAM | 52@0 | 9.2804    | 10.04         |
| 70      | 15        | 15              | 340500 | 1702.5     | CP-OFDM QPSK    | 79@0 | 14.065    | 14.8          |
| 70      | 15        | 15              | 340500 | 1702.5     | CP-OFDM 16 QAM  | 79@0 | 14.09     | 14.8          |
| 70      | 15        | 15              | 340500 | 1702.5     | CP-OFDM 64 QAM  | 79@0 | 14.065    | 14.8          |
| 70      | 15        | 15              | 340500 | 1702.5     | CP-OFDM 256 QAM | 79@0 | 14.048    | 14.94         |



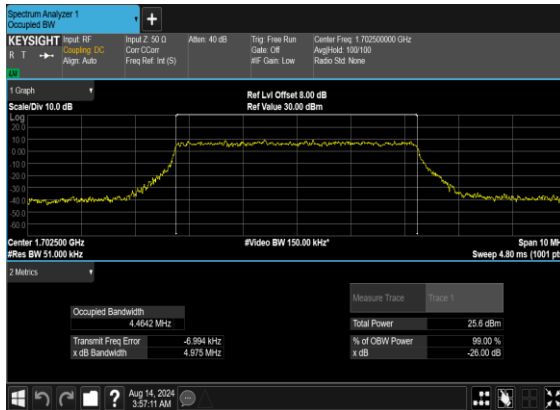
N70(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



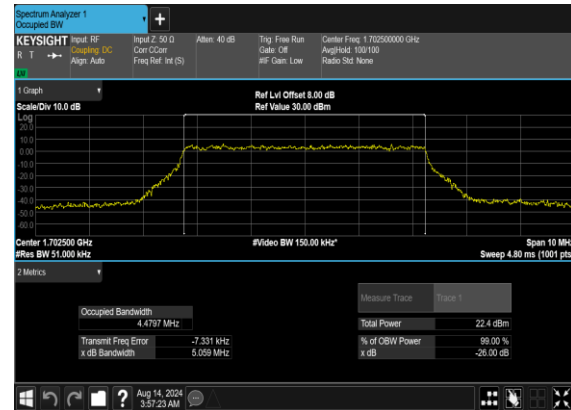
N70(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N70(5M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

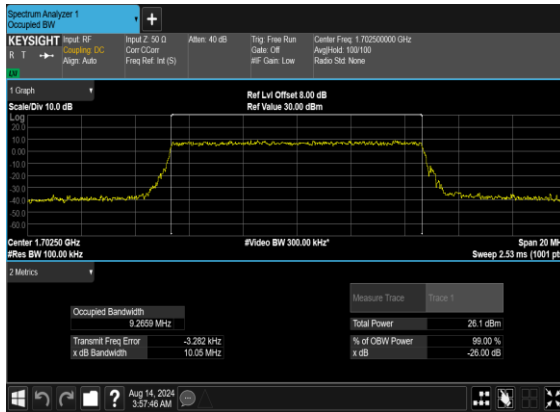


N70(5M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

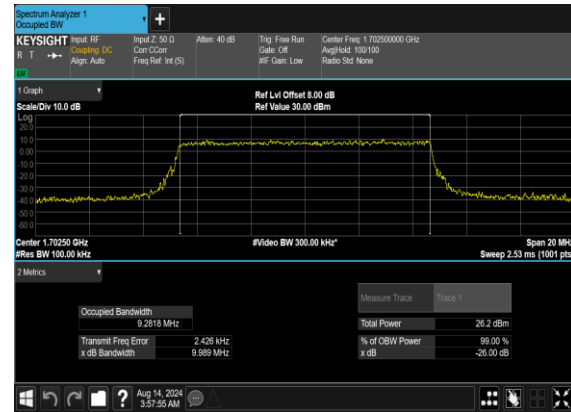




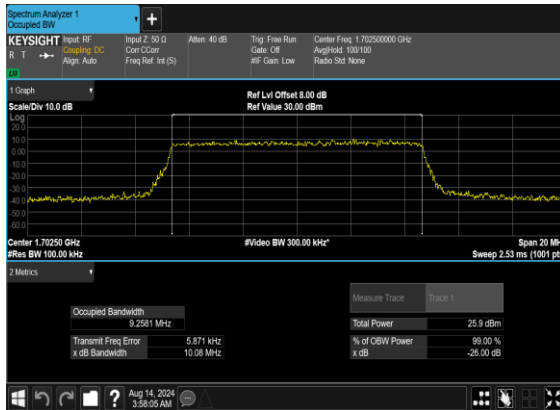
N70(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



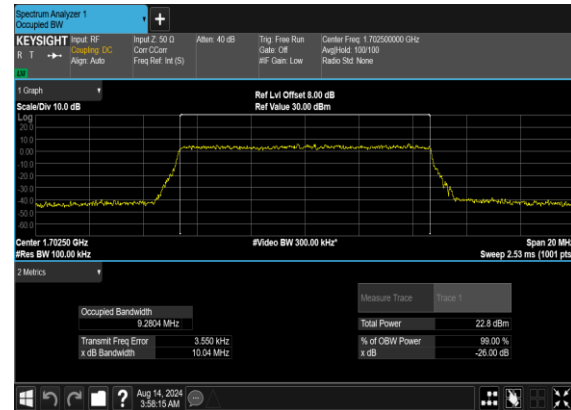
N70(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N70(10M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

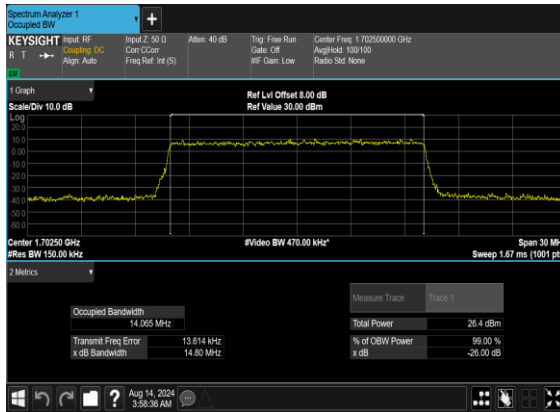


N70(10M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

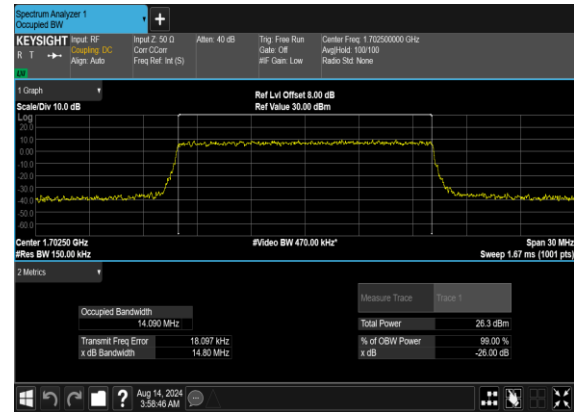




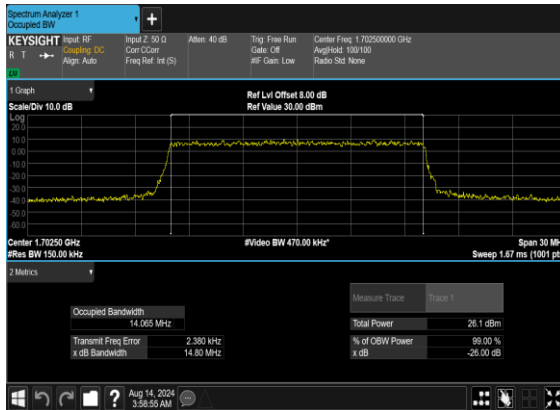
N70(15M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



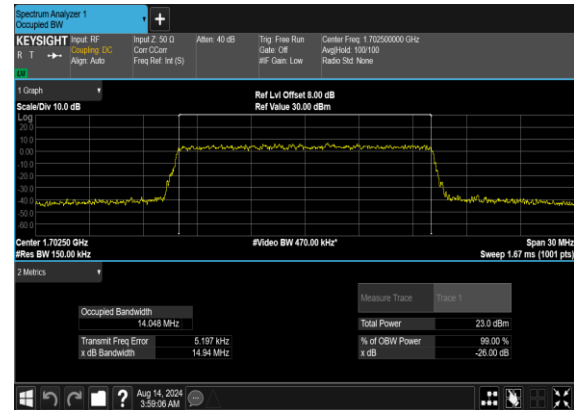
N70(15M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N70(15M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N70(15M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH





## Conducted Spurious Emissions

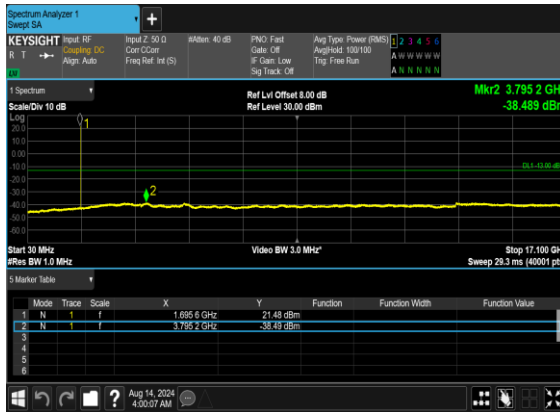
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 5               | 340500 | 1702.5     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 70      | 15        | 5               | 340500 | 1702.5     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 5               | 340500 | 1702.5     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 70      | 15        | 5               | 340500 | 1702.5     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 10              | 340500 | 1702.5     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 70      | 15        | 10              | 340500 | 1702.5     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 70      | 15        | 10              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 70      | 15        | 10              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |



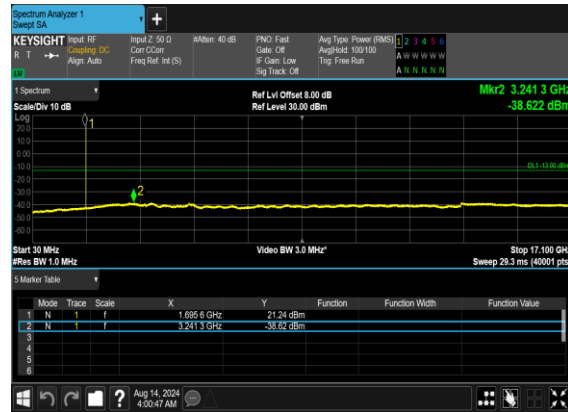
|    |    |    |        |        |                 |     |           |             |
|----|----|----|--------|--------|-----------------|-----|-----------|-------------|
| 70 | 15 | 10 | 341000 | 1705.0 | DFT-s-OFDM BPSK | 1@0 | see graph | ---         |
| 70 | 15 | 10 | 341000 | 1705.0 | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| 70 | 15 | 10 | 341000 | 1705.0 | DFT-s-OFDM QPSK | 1@0 | see graph | ---         |
| 70 | 15 | 10 | 341000 | 1705.0 | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |
| 70 | 15 | 15 | 340500 | 1702.5 | DFT-s-OFDM BPSK | 1@0 | see graph | ---         |
| 70 | 15 | 15 | 340500 | 1702.5 | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| 70 | 15 | 15 | 340500 | 1702.5 | DFT-s-OFDM QPSK | 1@0 | see graph | ---         |
| 70 | 15 | 15 | 340500 | 1702.5 | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |



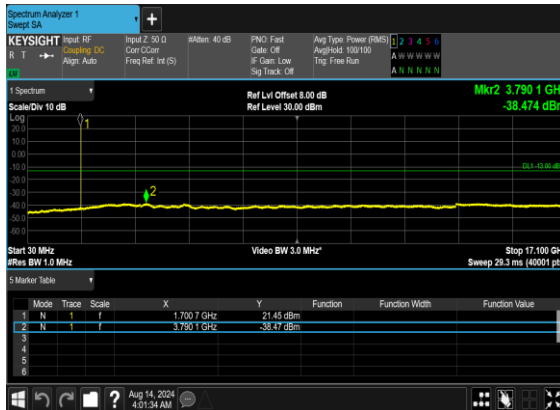
N70(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



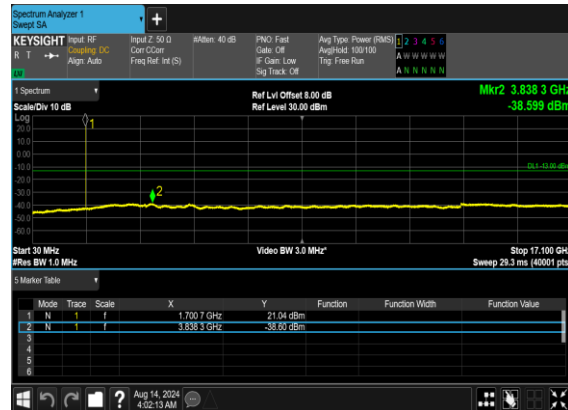
N70(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N70(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N70(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N70(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CHN70(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CHN70(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CHN70(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N70(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



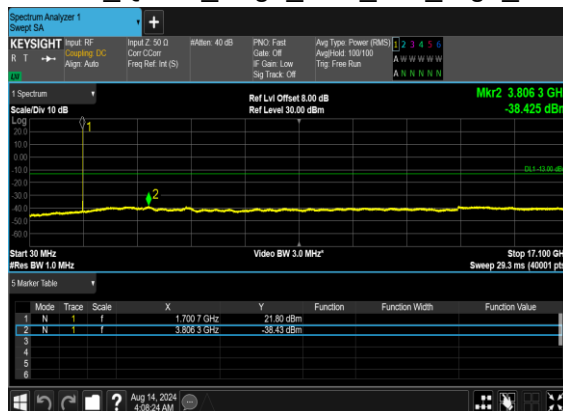
N70(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N70(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH

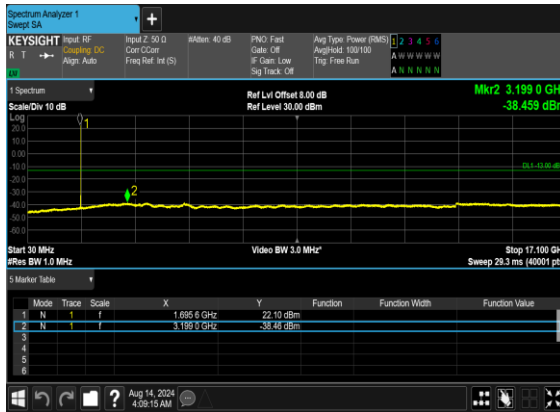


N70(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

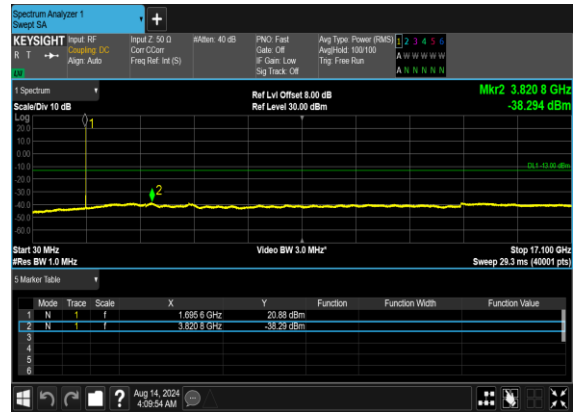




N70(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

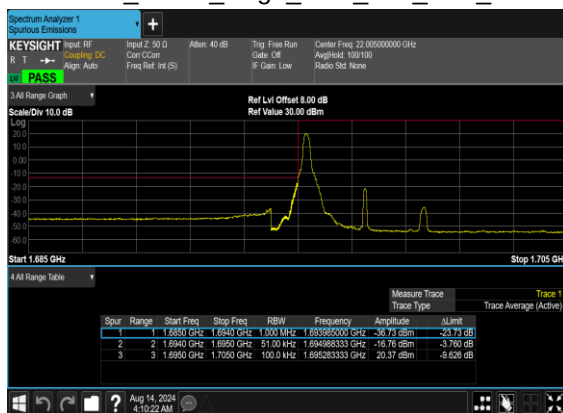
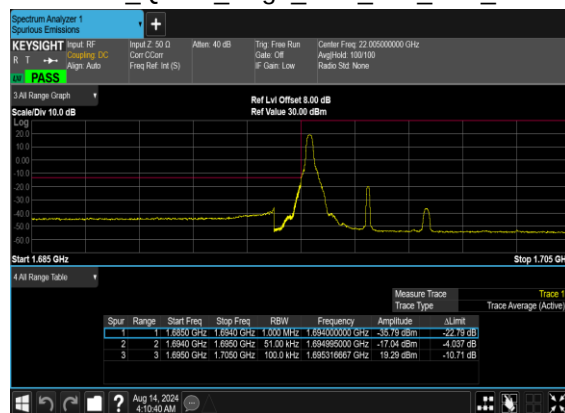
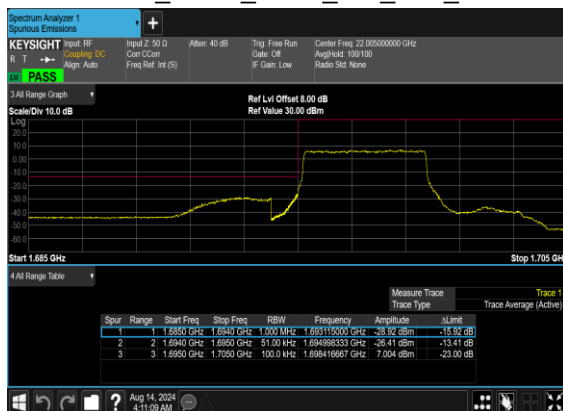
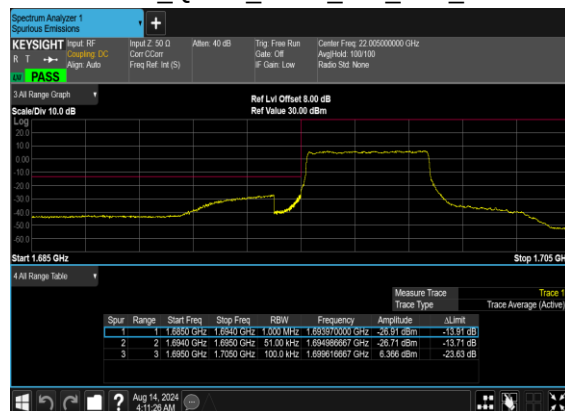


N70(15M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



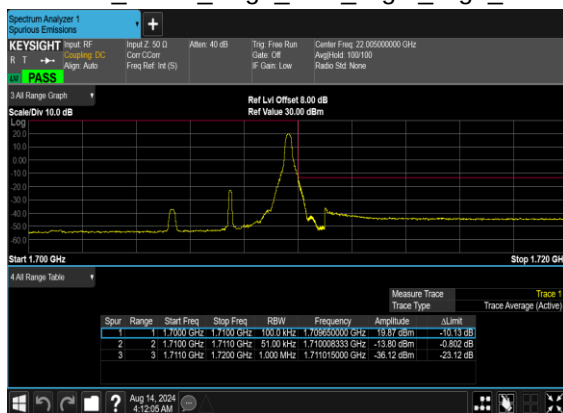
**Conducted Band Edge**

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------|---------|
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM BPSK | 25@0 | see graph | PASS    |
| 70      | 15        | 5               | 339500 | 1697.5     | DFT-s-OFDM QPSK | 25@0 | see graph | PASS    |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM BPSK | 1@24 | see graph | PASS    |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM QPSK | 1@24 | see graph | PASS    |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM BPSK | 25@0 | see graph | PASS    |
| 70      | 15        | 5               | 341500 | 1707.5     | DFT-s-OFDM QPSK | 25@0 | see graph | PASS    |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM BPSK | 50@0 | see graph | PASS    |
| 70      | 15        | 10              | 340000 | 1700.0     | DFT-s-OFDM QPSK | 50@0 | see graph | PASS    |
| 70      | 15        | 10              | 341000 | 1705.0     | DFT-s-OFDM BPSK | 1@51 | see graph | PASS    |
| 70      | 15        | 10              | 341000 | 1705.0     | DFT-s-OFDM QPSK | 1@51 | see graph | PASS    |
| 70      | 15        | 10              | 341000 | 1705.0     | DFT-s-OFDM BPSK | 50@0 | see graph | PASS    |
| 70      | 15        | 10              | 341000 | 1705.0     | DFT-s-OFDM QPSK | 50@0 | see graph | PASS    |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM BPSK | 1@78 | see graph | PASS    |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 1@78 | see graph | PASS    |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM BPSK | 75@0 | see graph | PASS    |
| 70      | 15        | 15              | 340500 | 1702.5     | DFT-s-OFDM QPSK | 75@0 | see graph | PASS    |

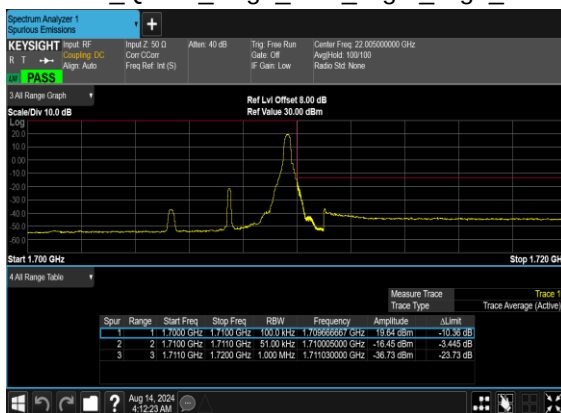
N70(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CHN70(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CHN70(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CHN70(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



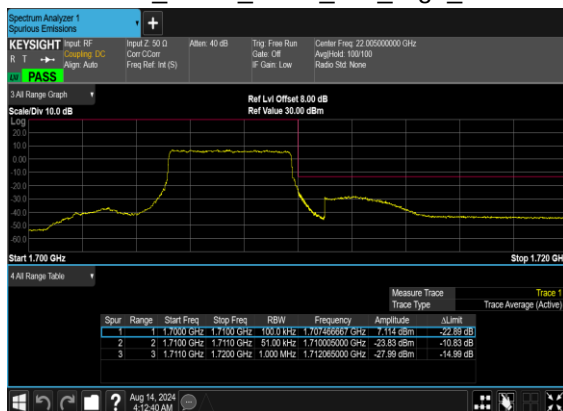
N70(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



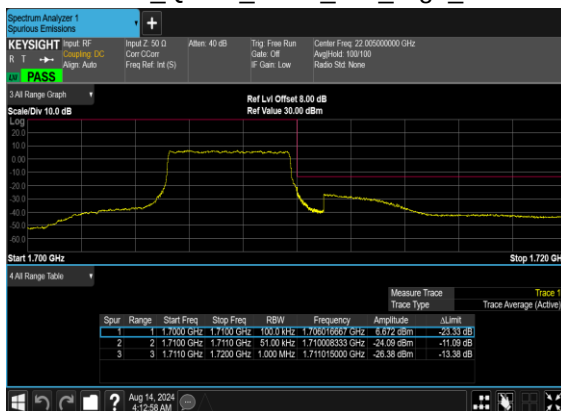
N70(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N70(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH

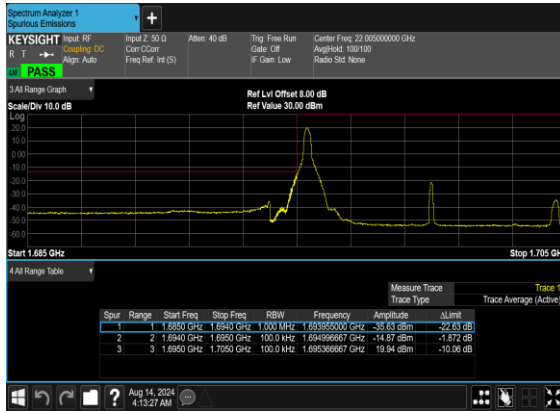


N70(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH

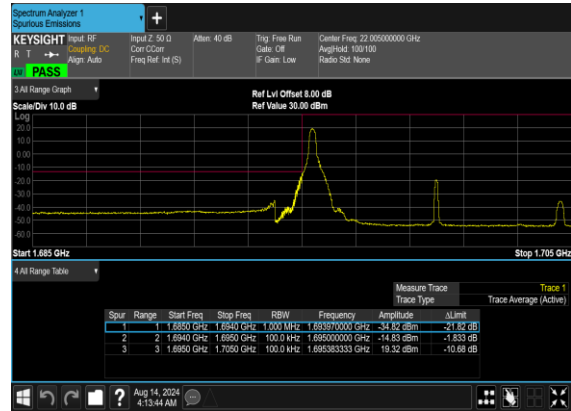




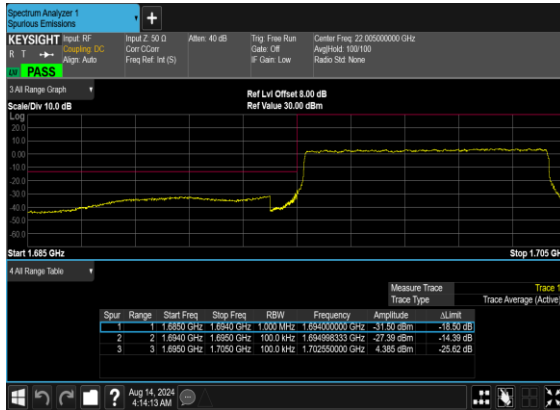
N70(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



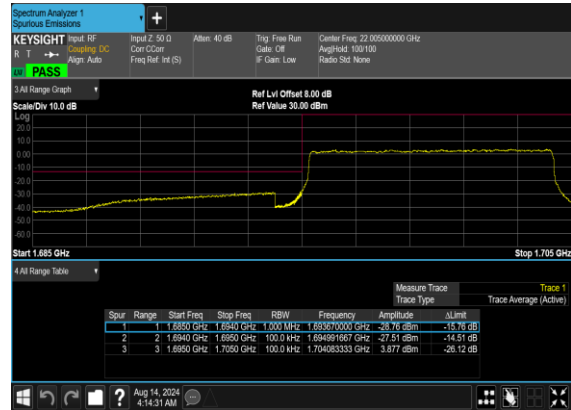
N70(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N70(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

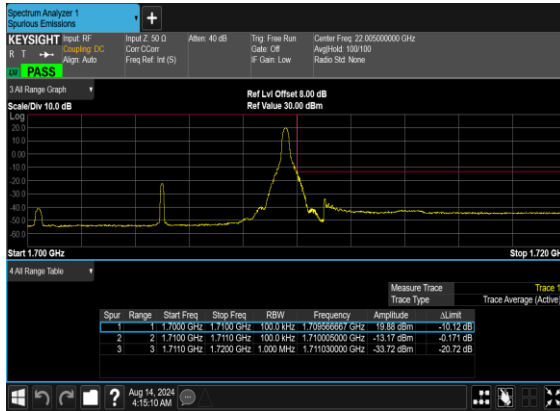


N70(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH

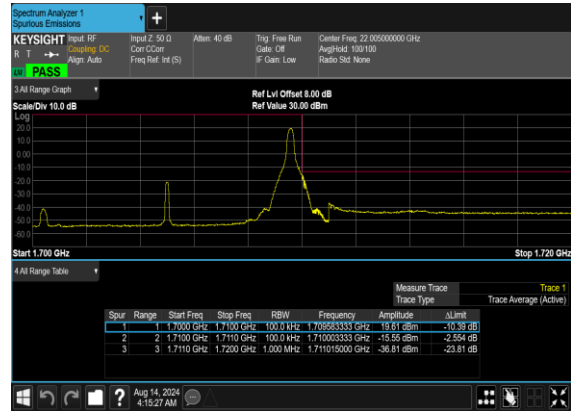




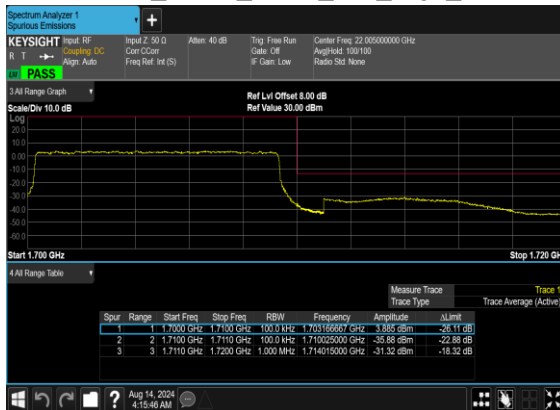
N70(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



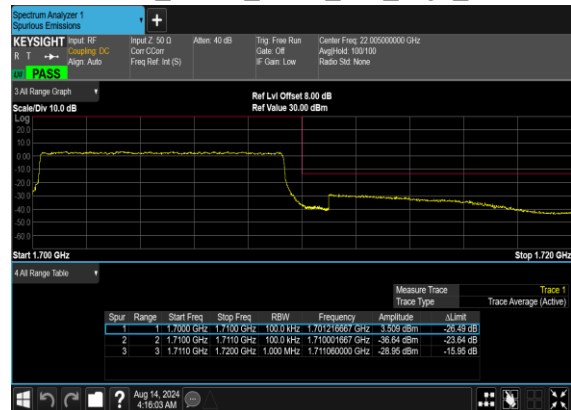
N70(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N70(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH

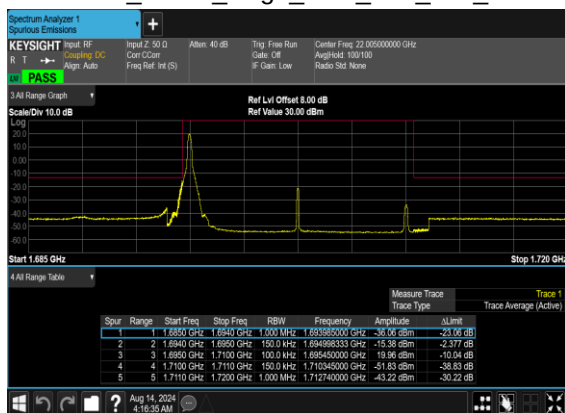


N70(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH

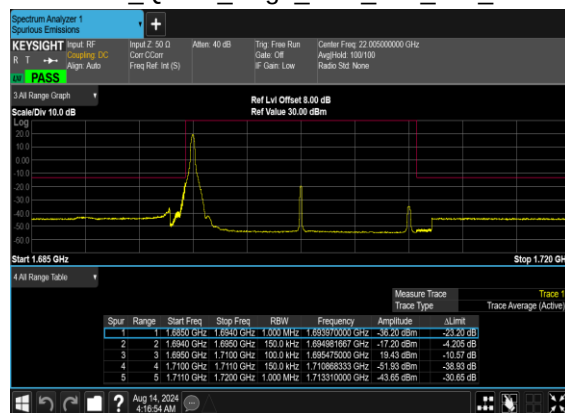




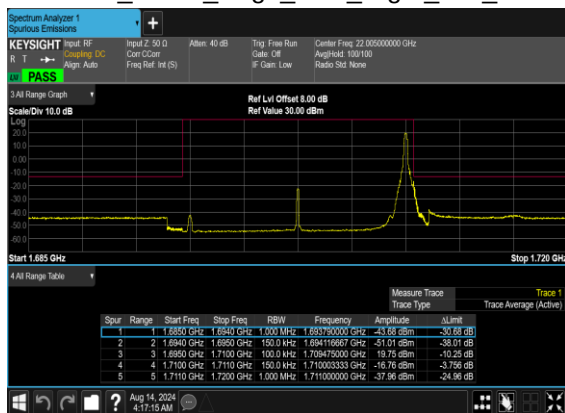
N70(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



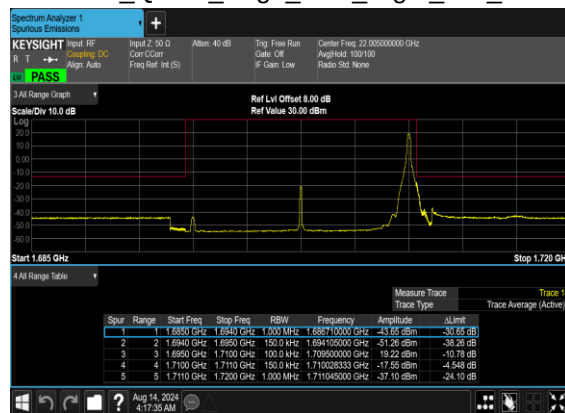
N70(15M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N70(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH

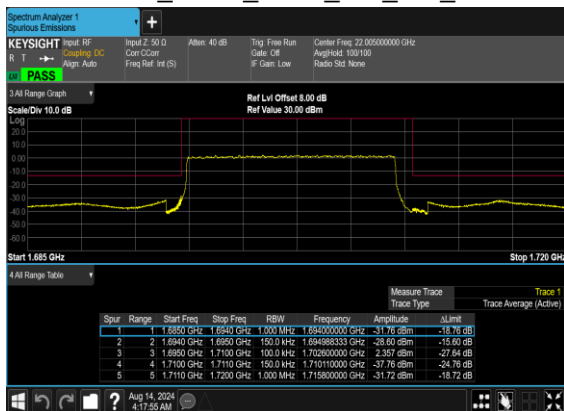


N70(15M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH

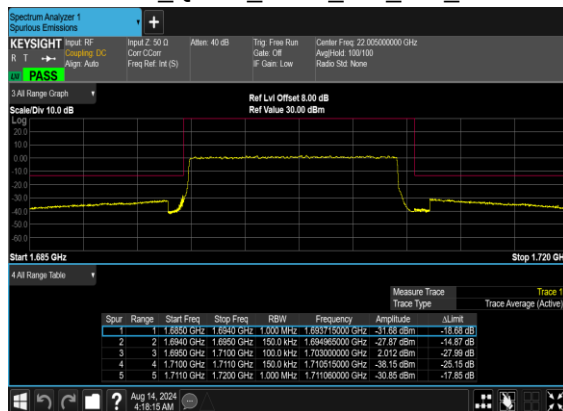




N70(15M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Mid\_CH



N70(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





Software Version: 23.06.1602

## FR1 N71(ANT0)

Transmitter Conducted Output Power And ERP,  $(G_T - L_C)=0.93\text{dB}$ 

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | Conducted Power(dBm) | ERP (dBm) | ERP (W) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|----------------------|-----------|---------|
| 71      | 15        | 5               | 133100 | 665.5      | DFT-s-OFDM QPSK      | 1@1   | 23.95                | 22.73     | 0.1875  |
| 71      | 15        | 5               | 133100 | 665.5      | DFT-s-OFDM 16 QAM    | 1@1   | 22.97                | 21.75     | 0.1496  |
| 71      | 15        | 5               | 136100 | 680.5      | DFT-s-OFDM QPSK      | 1@1   | 24.04                | 22.82     | 0.1914  |
| 71      | 15        | 5               | 136100 | 680.5      | DFT-s-OFDM 16 QAM    | 1@1   | 23.15                | 21.93     | 0.1560  |
| 71      | 15        | 5               | 139100 | 695.5      | DFT-s-OFDM QPSK      | 1@1   | 24.24                | 23.02     | 0.2004  |
| 71      | 15        | 5               | 139100 | 695.5      | DFT-s-OFDM 16 QAM    | 1@1   | 23.41                | 22.19     | 0.1656  |
| 71      | 15        | 10              | 133600 | 668        | DFT-s-OFDM QPSK      | 1@1   | 23.95                | 22.73     | 0.1875  |
| 71      | 15        | 10              | 133600 | 668        | DFT-s-OFDM 16 QAM    | 1@1   | 22.98                | 21.76     | 0.1500  |
| 71      | 15        | 10              | 136100 | 680.5      | DFT-s-OFDM QPSK      | 1@1   | 24.02                | 22.8      | 0.1905  |
| 71      | 15        | 10              | 136100 | 680.5      | DFT-s-OFDM 16 QAM    | 1@1   | 23.12                | 21.9      | 0.1549  |
| 71      | 15        | 10              | 138600 | 693        | DFT-s-OFDM QPSK      | 1@1   | 24.24                | 23.02     | 0.2004  |
| 71      | 15        | 10              | 138600 | 693        | DFT-s-OFDM 16 QAM    | 1@1   | 23.32                | 22.1      | 0.1622  |
| 71      | 15        | 15              | 134100 | 670.5      | DFT-s-OFDM QPSK      | 1@1   | 23.98                | 22.76     | 0.1888  |
| 71      | 15        | 15              | 134100 | 670.5      | DFT-s-OFDM 16 QAM    | 1@1   | 22.99                | 21.77     | 0.1503  |
| 71      | 15        | 15              | 136100 | 680.5      | DFT-s-OFDM QPSK      | 1@1   | 24.15                | 22.93     | 0.1963  |
| 71      | 15        | 15              | 136100 | 680.5      | DFT-s-OFDM 16 QAM    | 1@1   | 23.23                | 22.01     | 0.1589  |
| 71      | 15        | 15              | 138100 | 690.5      | DFT-s-OFDM QPSK      | 1@1   | 24.29                | 23.07     | 0.2028  |
| 71      | 15        | 15              | 138100 | 690.5      | DFT-s-OFDM 16 QAM    | 1@1   | 23.31                | 22.09     | 0.1618  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM PI/2 BPSK | 50@25 | 24.05                | 22.83     | 0.1919  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM PI/2 BPSK | 1@1   | 23.91                | 22.69     | 0.1858  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.17                | 22.95     | 0.1972  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM QPSK      | 50@25 | 24.12                | 22.9      | 0.1950  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM QPSK      | 1@1   | 23.93                | 22.71     | 0.1866  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM QPSK      | 1@104 | 24.29                | 23.07     | 0.2028  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 16 QAM    | 50@25 | 23.05                | 21.83     | 0.1524  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 16 QAM    | 1@1   | 23.08                | 21.86     | 0.1535  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 16 QAM    | 1@104 | 23.35                | 22.13     | 0.1633  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 64 QAM    | 50@25 | 21.58                | 20.36     | 0.1086  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 64 QAM    | 1@1   | 21.5                 | 20.28     | 0.1067  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 64 QAM    | 1@104 | 21.9                 | 20.68     | 0.1169  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 256 QAM   | 50@25 | 19.49                | 18.27     | 0.0671  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 256 QAM   | 1@1   | 19.17                | 17.95     | 0.0624  |
| 71      | 15        | 20              | 134600 | 673        | DFT-s-OFDM 256 QAM   | 1@104 | 19.58                | 18.36     | 0.0685  |



|    |    |    |        |       |                      |       |       |       |        |
|----|----|----|--------|-------|----------------------|-------|-------|-------|--------|
| 71 | 15 | 20 | 134600 | 673   | CP-OFDM QPSK         | 53@26 | 22.68 | 21.46 | 0.1400 |
| 71 | 15 | 20 | 134600 | 673   | CP-OFDM QPSK         | 1@1   | 22.54 | 21.32 | 0.1355 |
| 71 | 15 | 20 | 134600 | 673   | CP-OFDM QPSK         | 1@104 | 22.87 | 21.65 | 0.1462 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM PI/2 BPSK | 50@25 | 24.28 | 23.06 | 0.2023 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.07 | 22.85 | 0.1928 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.31 | 23.09 | 0.2037 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM QPSK      | 50@25 | 24.31 | 23.09 | 0.2037 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM QPSK      | 1@1   | 24.11 | 22.89 | 0.1945 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM QPSK      | 1@104 | 24.31 | 23.09 | 0.2037 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 16 QAM    | 50@25 | 23.3  | 22.08 | 0.1614 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 16 QAM    | 1@1   | 23.14 | 21.92 | 0.1556 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 16 QAM    | 1@104 | 23.39 | 22.17 | 0.1648 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 64 QAM    | 50@25 | 21.87 | 20.65 | 0.1161 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 64 QAM    | 1@1   | 21.73 | 20.51 | 0.1125 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 64 QAM    | 1@104 | 21.86 | 20.64 | 0.1159 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 256 QAM   | 50@25 | 19.8  | 18.58 | 0.0721 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 256 QAM   | 1@1   | 19.36 | 18.14 | 0.0652 |
| 71 | 15 | 20 | 136100 | 680.5 | DFT-s-OFDM 256 QAM   | 1@104 | 19.61 | 18.39 | 0.0690 |
| 71 | 15 | 20 | 136100 | 680.5 | CP-OFDM QPSK         | 53@26 | 22.84 | 21.62 | 0.1452 |
| 71 | 15 | 20 | 136100 | 680.5 | CP-OFDM QPSK         | 1@1   | 22.72 | 21.5  | 0.1413 |
| 71 | 15 | 20 | 136100 | 680.5 | CP-OFDM QPSK         | 1@104 | 22.91 | 21.69 | 0.1476 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM PI/2 BPSK | 50@25 | 24.36 | 23.14 | 0.2061 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.31 | 23.09 | 0.2037 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.28 | 23.06 | 0.2023 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM QPSK      | 50@25 | 24.4  | 23.18 | 0.2080 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM QPSK      | 1@1   | 24.39 | 23.17 | 0.2075 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM QPSK      | 1@104 | 24.25 | 23.03 | 0.2009 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 16 QAM    | 50@25 | 23.34 | 22.12 | 0.1629 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 16 QAM    | 1@1   | 23.45 | 22.23 | 0.1671 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 16 QAM    | 1@104 | 23.4  | 22.18 | 0.1652 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 64 QAM    | 50@25 | 21.93 | 20.71 | 0.1178 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 64 QAM    | 1@1   | 21.93 | 20.71 | 0.1178 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 64 QAM    | 1@104 | 21.97 | 20.75 | 0.1189 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 256 QAM   | 50@25 | 19.8  | 18.58 | 0.0721 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 256 QAM   | 1@1   | 19.63 | 18.41 | 0.0693 |
| 71 | 15 | 20 | 137600 | 688   | DFT-s-OFDM 256 QAM   | 1@104 | 19.7  | 18.48 | 0.0705 |
| 71 | 15 | 20 | 137600 | 688   | CP-OFDM QPSK         | 53@26 | 22.87 | 21.65 | 0.1462 |
| 71 | 15 | 20 | 137600 | 688   | CP-OFDM QPSK         | 1@1   | 22.92 | 21.7  | 0.1479 |
| 71 | 15 | 20 | 137600 | 688   | CP-OFDM QPSK         | 1@104 | 22.87 | 21.65 | 0.1462 |



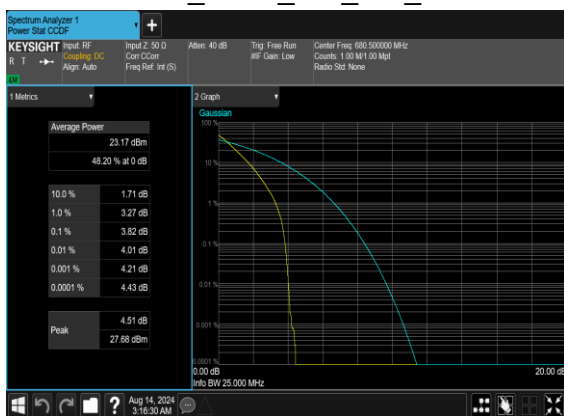
## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------------|---------|-------------|
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0045          | PASS    | NV          |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0043          | PASS    | LV          |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0061          | PASS    | HV          |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0040          | PASS    | -30℃        |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0058          | PASS    | -20℃        |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0053          | PASS    | -10℃        |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0046          | PASS    | 0℃          |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0029          | PASS    | 10℃         |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0045          | PASS    | 20℃         |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0055          | PASS    | 30℃         |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0063          | PASS    | 40℃         |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK | 100@0 | 0.0063          | PASS    | 50℃         |

## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-------------|------------|---------|
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM PI/2 BPSK | 100@0 | 3.82        | 13         | PASS    |
| 71      | 15        | 20              | 136100 | 680.5      | DFT-s-OFDM QPSK      | 100@0 | 5.23        | 13         | PASS    |

N71(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



N71(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH

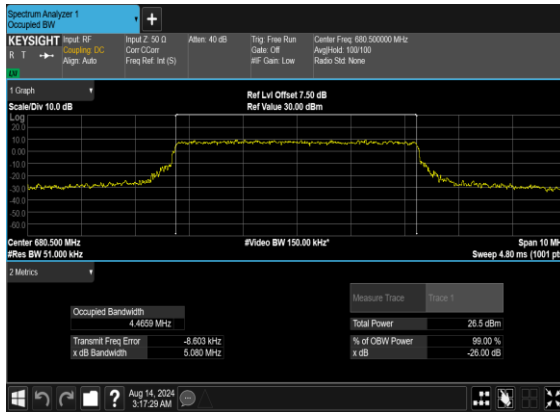


**Occupied Bandwidth**

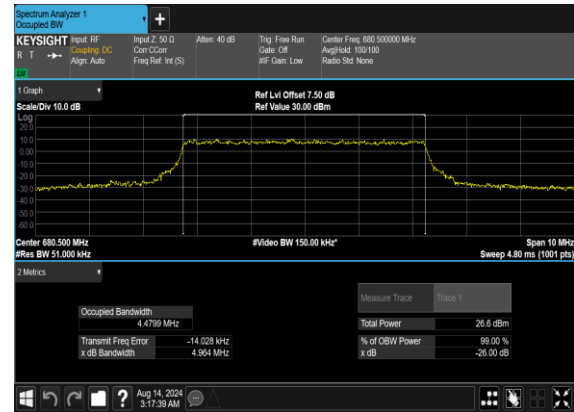
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | OBW (MHz) | 26dB BW (MHz) |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------------|
| 71      | 15        | 5               | 136100 | 680.5      | CP-OFDM QPSK    | 25@0  | 4.4659    | 5.08          |
| 71      | 15        | 5               | 136100 | 680.5      | CP-OFDM 16 QAM  | 25@0  | 4.4799    | 4.964         |
| 71      | 15        | 5               | 136100 | 680.5      | CP-OFDM 64 QAM  | 25@0  | 4.4627    | 4.995         |
| 71      | 15        | 5               | 136100 | 680.5      | CP-OFDM 256 QAM | 25@0  | 4.4758    | 5.095         |
| 71      | 15        | 10              | 136100 | 680.5      | CP-OFDM QPSK    | 52@0  | 9.2608    | 10.02         |
| 71      | 15        | 10              | 136100 | 680.5      | CP-OFDM 16 QAM  | 52@0  | 9.2891    | 9.908         |
| 71      | 15        | 10              | 136100 | 680.5      | CP-OFDM 64 QAM  | 52@0  | 9.2339    | 9.958         |
| 71      | 15        | 10              | 136100 | 680.5      | CP-OFDM 256 QAM | 52@0  | 9.2736    | 10.04         |
| 71      | 15        | 15              | 136100 | 680.5      | CP-OFDM QPSK    | 79@0  | 14.056    | 14.79         |
| 71      | 15        | 15              | 136100 | 680.5      | CP-OFDM 16 QAM  | 79@0  | 14.078    | 14.84         |
| 71      | 15        | 15              | 136100 | 680.5      | CP-OFDM 64 QAM  | 79@0  | 14.057    | 14.76         |
| 71      | 15        | 15              | 136100 | 680.5      | CP-OFDM 256 QAM | 79@0  | 14.033    | 15.04         |
| 71      | 15        | 20              | 136100 | 680.5      | CP-OFDM QPSK    | 106@0 | 18.867    | 19.8          |
| 71      | 15        | 20              | 136100 | 680.5      | CP-OFDM 16 QAM  | 106@0 | 18.846    | 19.73         |
| 71      | 15        | 20              | 136100 | 680.5      | CP-OFDM 64 QAM  | 106@0 | 18.829    | 19.67         |
| 71      | 15        | 20              | 136100 | 680.5      | CP-OFDM 256 QAM | 106@0 | 18.902    | 19.71         |



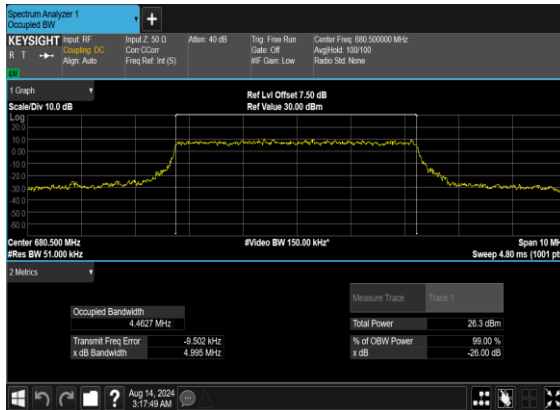
N71(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N71(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N71(5M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N71(5M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

