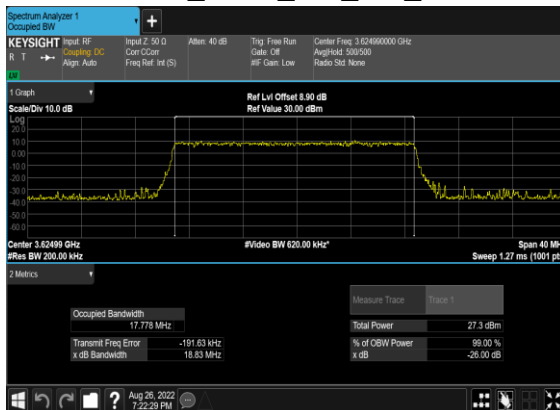
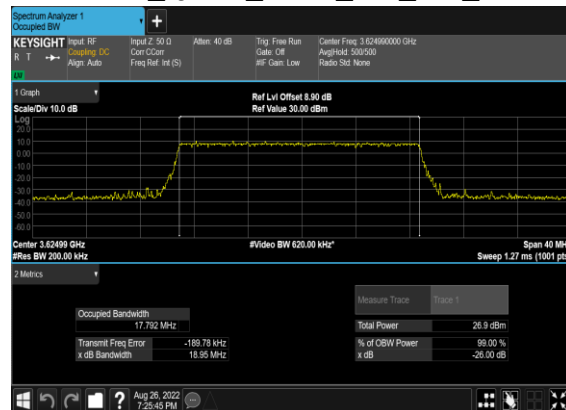


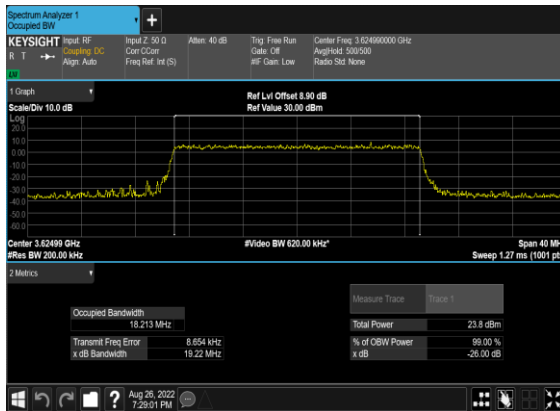
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BPSK\_Outer\_Full\_Mid\_CH



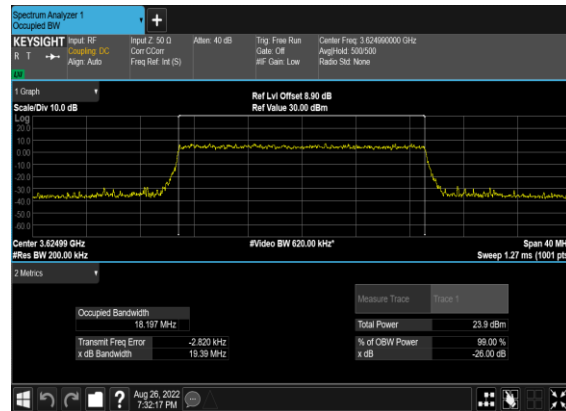
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



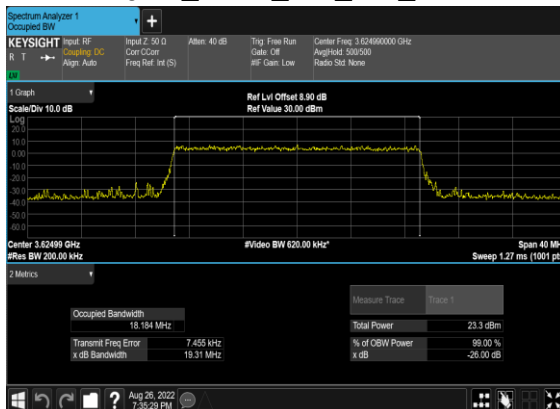
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OFDM\_QPSK\_Outer\_Full\_Mid\_CH



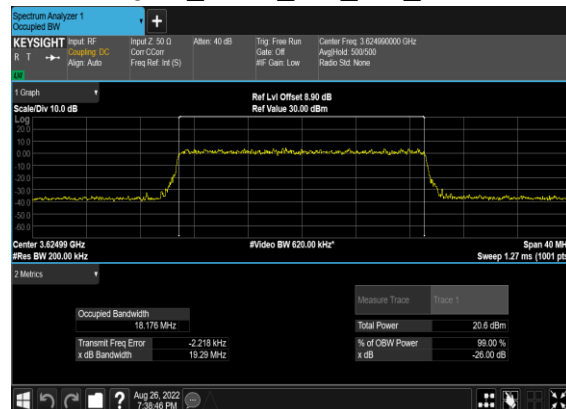
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QAM\_Outer\_Full\_Mid\_CH



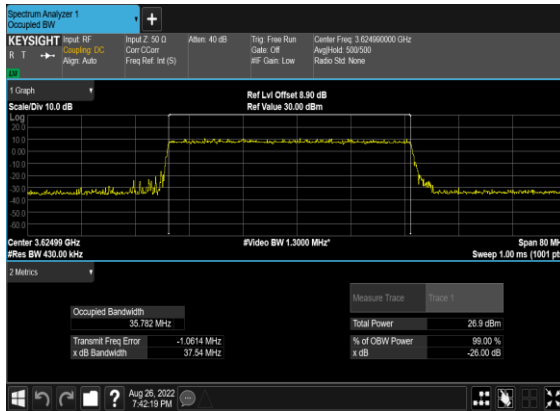
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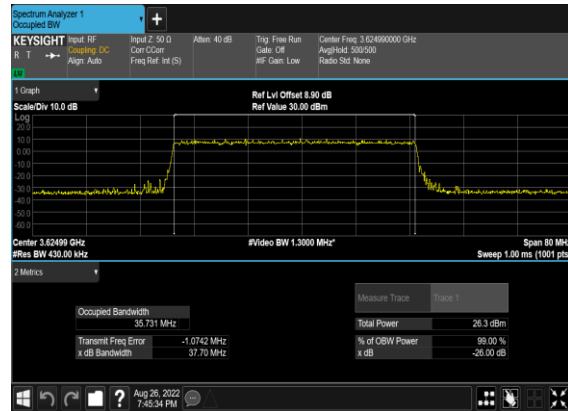
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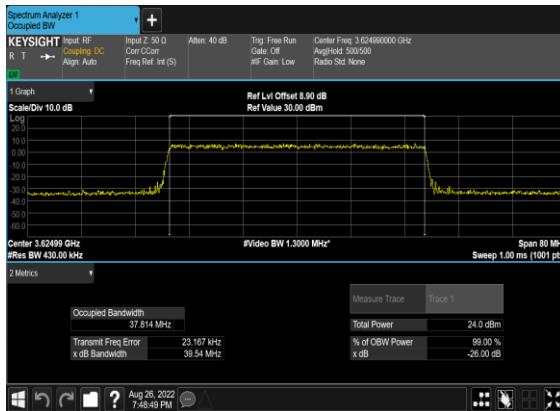
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BPSK\_Outer\_Full\_Mid\_CH



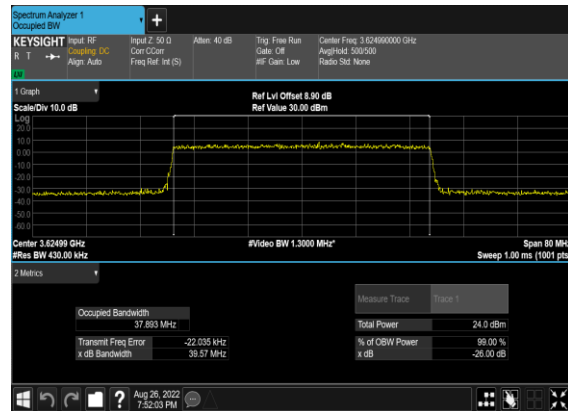
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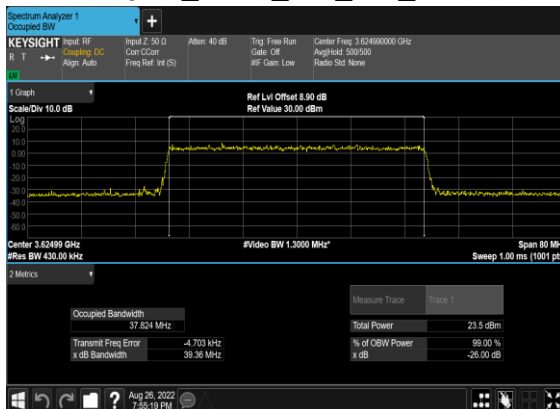
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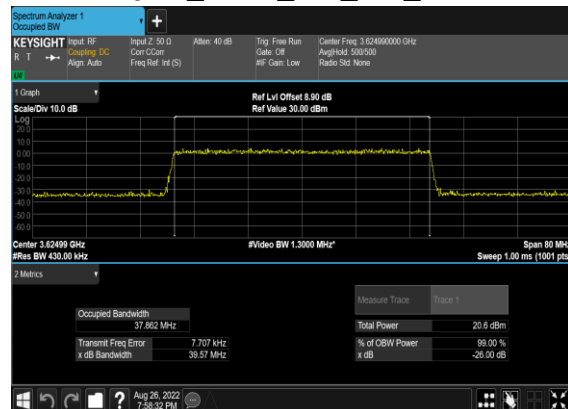
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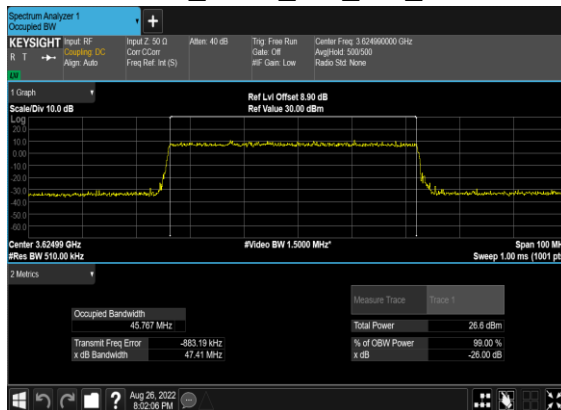
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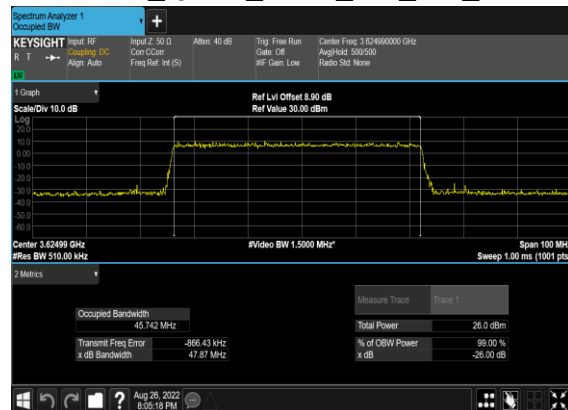
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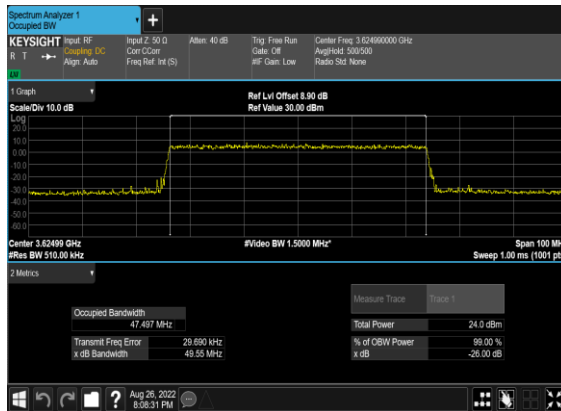
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BPSK\_Outer\_Full\_Mid\_CH



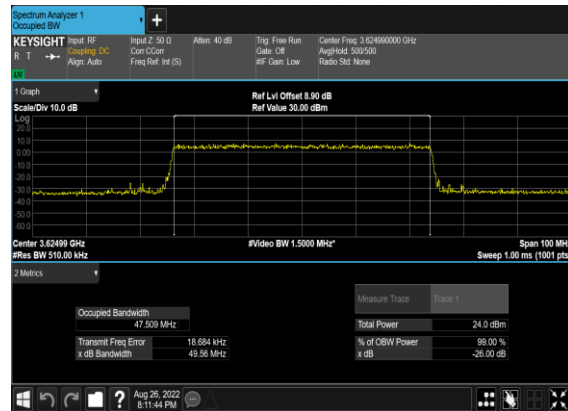
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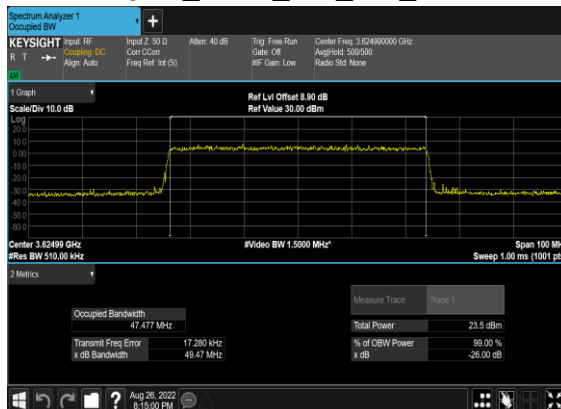
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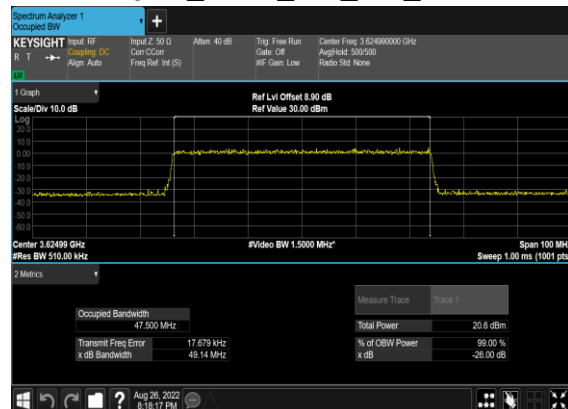
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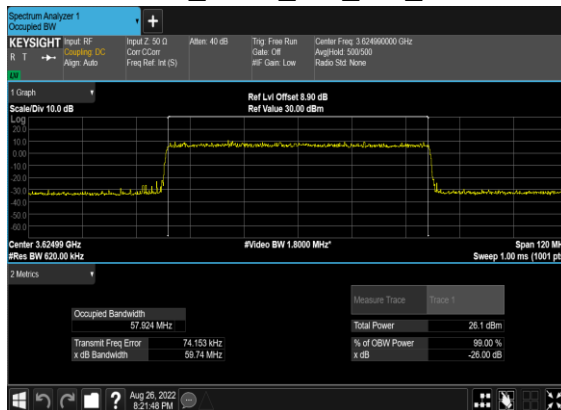
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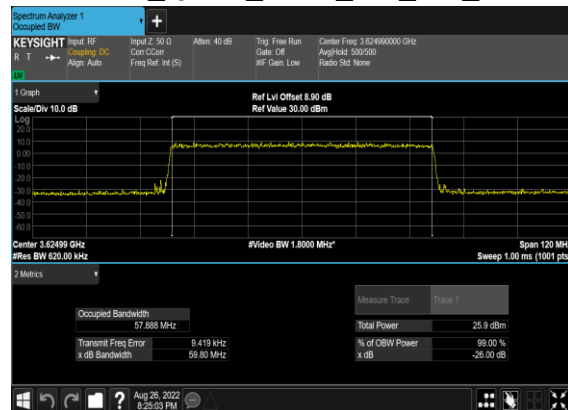
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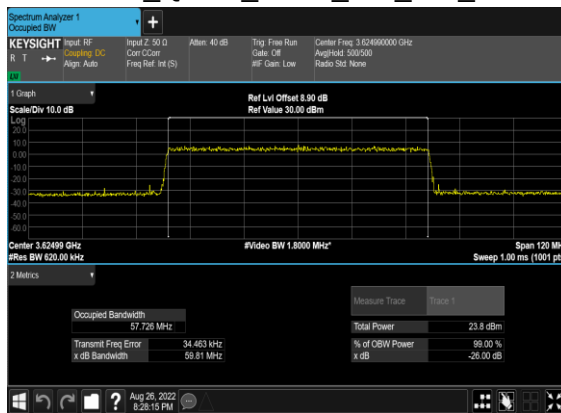
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BPSK\_Outer\_Full\_Mid\_CH



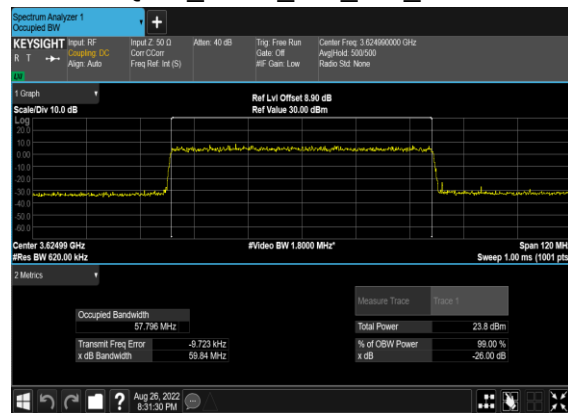
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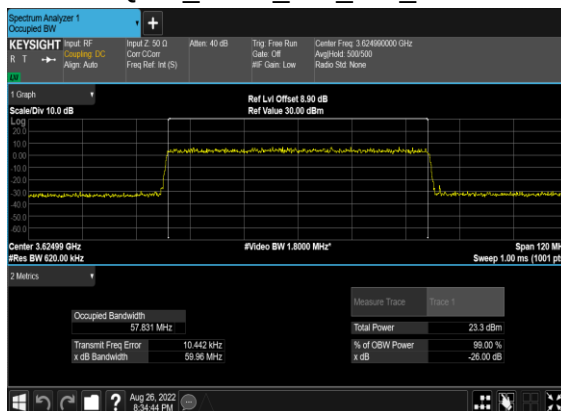
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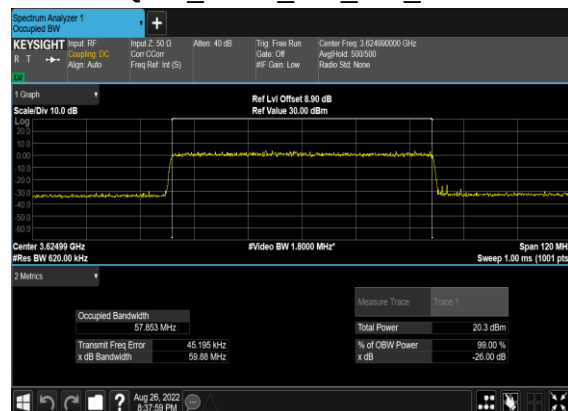
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QAM\_Outer\_Full\_Mid\_CH



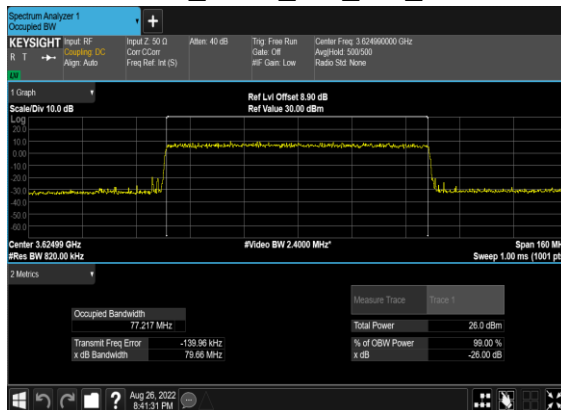
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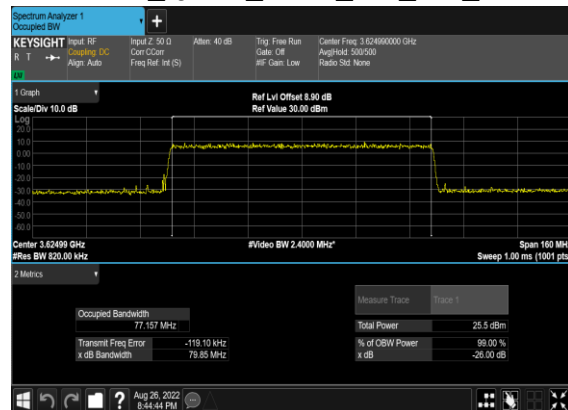
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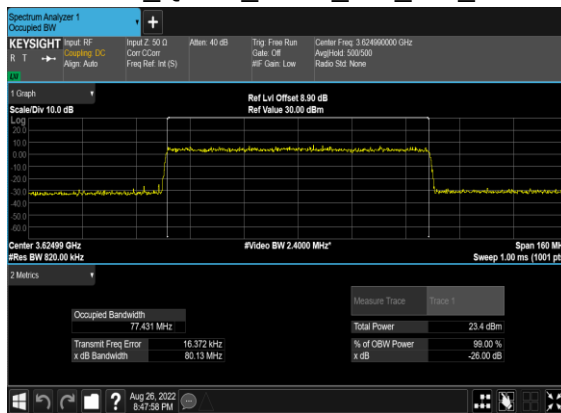
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BPSK\_Outer\_Full\_Mid\_CH



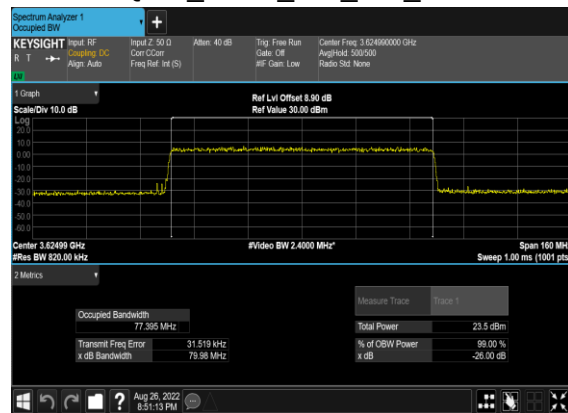
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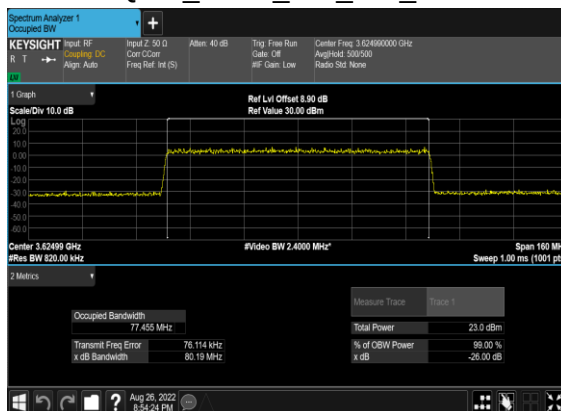
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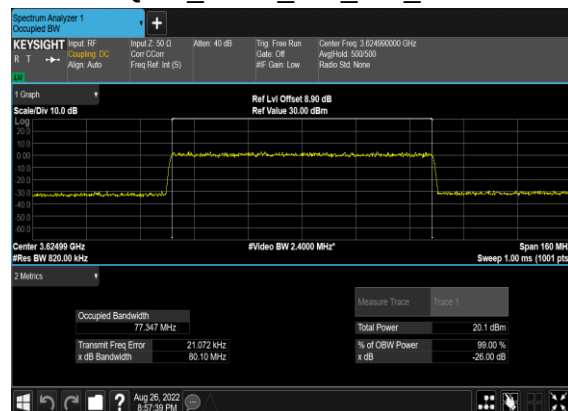
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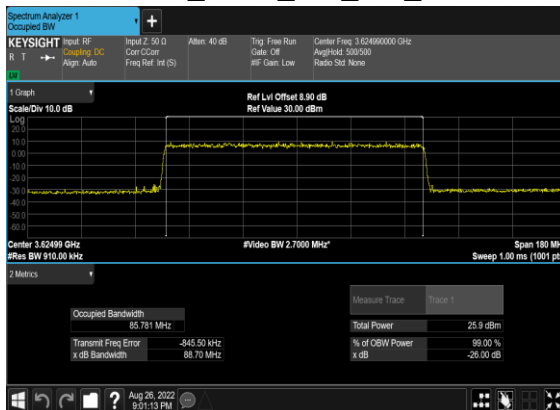
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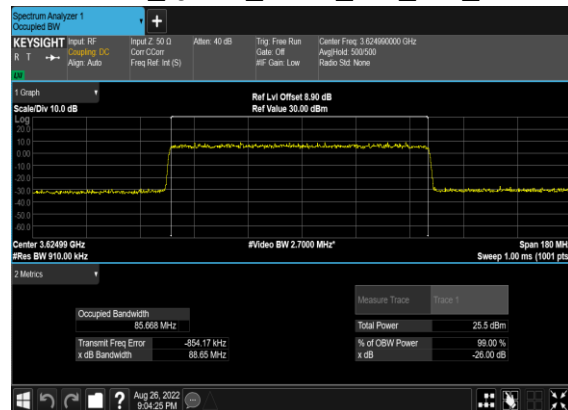
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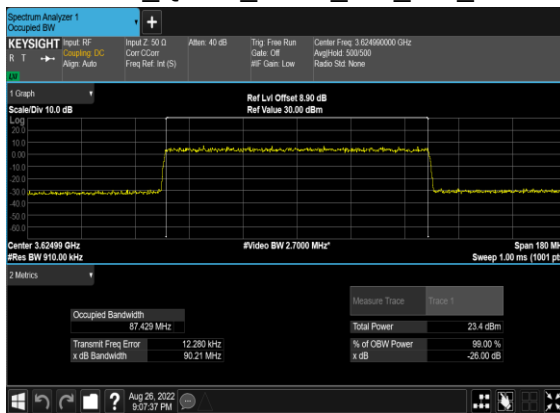
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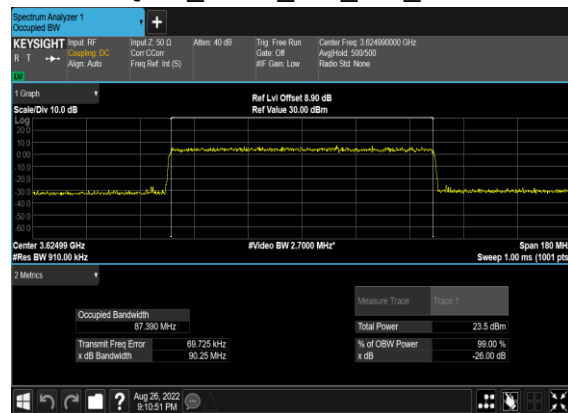
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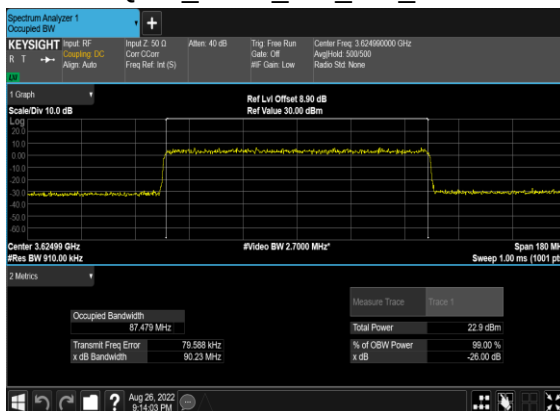
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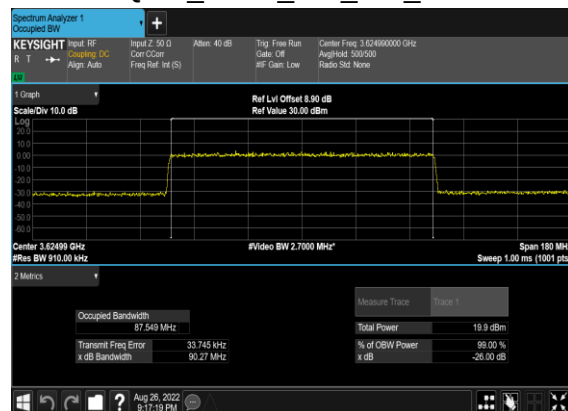
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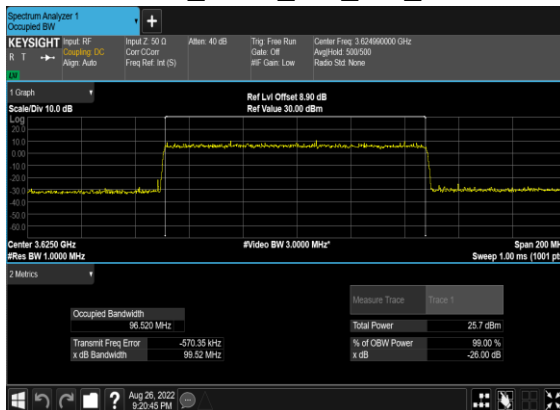
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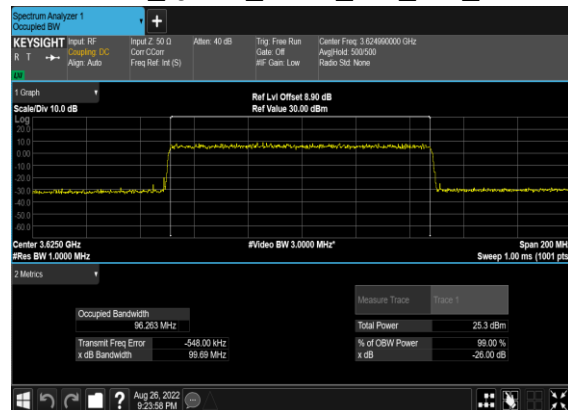
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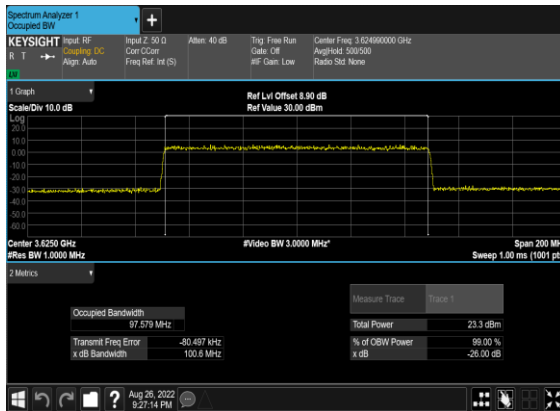
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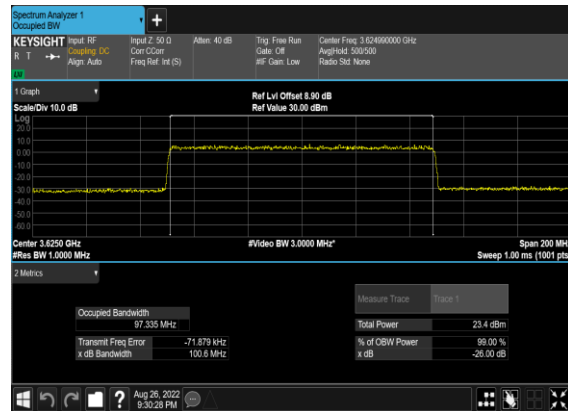
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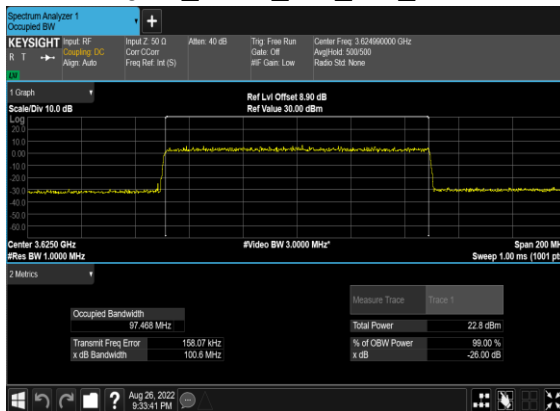
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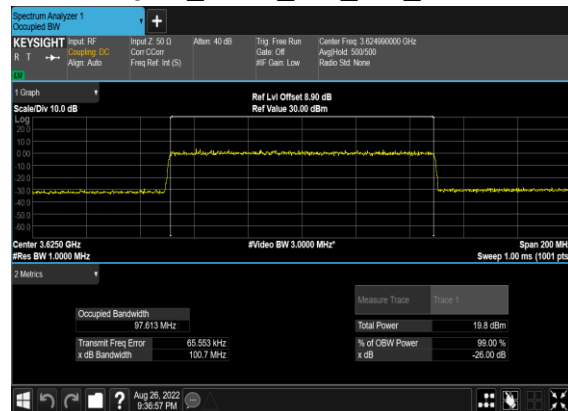
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QAM\_Outer\_Full\_Mid\_CH



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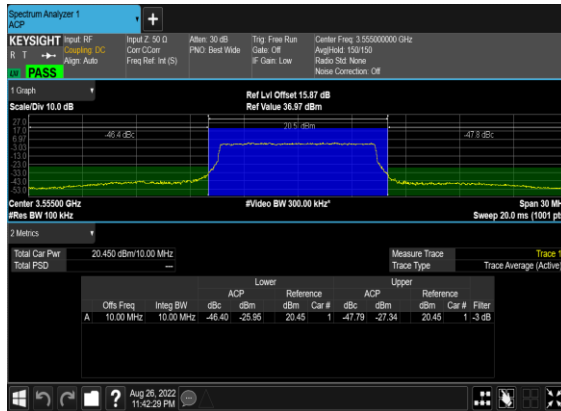
## Adjacent Channel Leakage Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | Lower Margin | Upper Margin | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|-------|--------------|--------------|-----------|---------|
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM PI/2 BPSK | 24@0  | -16.4        | -17.79       | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM PI/2 BPSK | 1@0   | -12.6        | -20.84       | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM PI/2 BPSK | 1@23  | -20.92       | -12.15       | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK      | 24@0  | -15.4        | -16.8        | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK      | 1@0   | -11.84       | -20.41       | see graph | PASS    |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK      | 1@23  | -20.3        | -12.6        | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM PI/2 BPSK | 24@0  | -16.55       | -16.59       | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM PI/2 BPSK | 1@0   | -12.98       | -21.07       | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM PI/2 BPSK | 1@23  | -20.48       | -11.51       | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM QPSK      | 24@0  | -16.19       | -15.86       | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM QPSK      | 1@0   | -13.46       | -19.82       | see graph | PASS    |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM QPSK      | 1@23  | -16.73       | -11.8        | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM PI/2 BPSK | 24@0  | -15.05       | -14.22       | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM PI/2 BPSK | 1@0   | -11.44       | -17.56       | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM PI/2 BPSK | 1@23  | -18.57       | -12.21       | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM QPSK      | 24@0  | -13.41       | -12.56       | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM QPSK      | 1@0   | -11.62       | -17.82       | see graph | PASS    |
| 48      | 30        | 10              | 646332 | 3694.98    | DFT-s-OFDM QPSK      | 1@23  | -17.65       | -11.95       | see graph | PASS    |
| 48      | 30        | 50              | 638334 | 3575.01    | DFT-s-OFDM PI/2 BPSK | 128@0 | -13.46       | -13.36       | see graph | PASS    |
| 48      | 30        | 50              | 638334 | 3575.01    | DFT-s-OFDM PI/2 BPSK | 1@0   | -9.16        | -14.21       | see graph | PASS    |
| 48      | 30        | 50              | 638334 | 3575.01    | DFT-s-OFDM PI/2 BPSK | 1@132 | -14.22       | -8.6         | see graph | PASS    |
| 48      | 30        | 50              | 638334 | 3575.01    | DFT-s-OFDM QPSK      | 128@0 | -12.92       | -12.76       | see graph | PASS    |

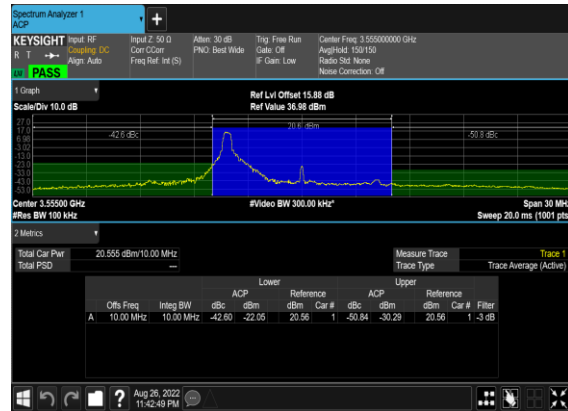
|    |    |     |        |         |                      |       |        |        |           |      |
|----|----|-----|--------|---------|----------------------|-------|--------|--------|-----------|------|
| 48 | 30 | 50  | 638334 | 3575.01 | DFT-s-OFDM QPSK      | 1@0   | -9.31  | -13.76 | see graph | PASS |
| 48 | 30 | 50  | 638334 | 3575.01 | DFT-s-OFDM QPSK      | 1@132 | -14.1  | -9.56  | see graph | PASS |
| 48 | 30 | 50  | 641666 | 3624.99 | DFT-s-OFDM PI/2 BPSK | 128@0 | -13.3  | -12.82 | see graph | PASS |
| 48 | 30 | 50  | 641666 | 3624.99 | DFT-s-OFDM PI/2 BPSK | 1@0   | -9.35  | -13.15 | see graph | PASS |
| 48 | 30 | 50  | 641666 | 3624.99 | DFT-s-OFDM PI/2 BPSK | 1@132 | -14.7  | -9.09  | see graph | PASS |
| 48 | 30 | 50  | 641666 | 3624.99 | DFT-s-OFDM QPSK      | 128@0 | -12.54 | -12.03 | see graph | PASS |
| 48 | 30 | 50  | 641666 | 3624.99 | DFT-s-OFDM QPSK      | 1@0   | -9.2   | -13.29 | see graph | PASS |
| 48 | 30 | 50  | 641666 | 3624.99 | DFT-s-OFDM QPSK      | 1@132 | -13.13 | -8.42  | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0  | DFT-s-OFDM PI/2 BPSK | 128@0 | -12.62 | -11.76 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0  | DFT-s-OFDM PI/2 BPSK | 1@0   | -8.47  | -13.82 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0  | DFT-s-OFDM PI/2 BPSK | 1@132 | -15.11 | -10.83 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0  | DFT-s-OFDM QPSK      | 128@0 | -11.54 | -10.82 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0  | DFT-s-OFDM QPSK      | 1@0   | -8.8   | -11.64 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0  | DFT-s-OFDM QPSK      | 1@132 | -14.23 | -9.01  | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM PI/2 BPSK | 270@0 | -13.08 | -10.15 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM PI/2 BPSK | 1@0   | -9.43  | -10.96 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM PI/2 BPSK | 1@272 | -14.73 | -8.03  | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK      | 270@0 | -12.18 | -9.44  | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK      | 1@0   | -9.57  | -10.95 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK      | 1@272 | -14.04 | -7.41  | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM PI/2 BPSK | 270@0 | -12.72 | -9.63  | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM PI/2 BPSK | 1@0   | -9.69  | -10.72 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM PI/2 BPSK | 1@272 | -13.93 | -6.65  | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK      | 270@0 | -12.0  | -8.85  | see graph | PASS |

|    |    |     |        |         |                      |       |        |       |           |      |
|----|----|-----|--------|---------|----------------------|-------|--------|-------|-----------|------|
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK      | 1@0   | -7.99  | -9.6  | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK      | 1@272 | -14.33 | -8.1  | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM PI/2 BPSK | 270@0 | -12.32 | -9.17 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM PI/2 BPSK | 1@0   | -7.81  | -9.44 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM PI/2 BPSK | 1@272 | -14.08 | -7.42 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK      | 270@0 | -11.65 | -8.39 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK      | 1@0   | -8.87  | -9.95 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK      | 1@272 | -13.99 | -7.66 | see graph | PASS |

N48(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



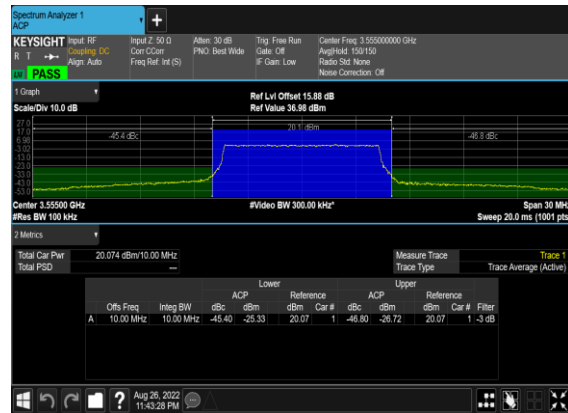
N48(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



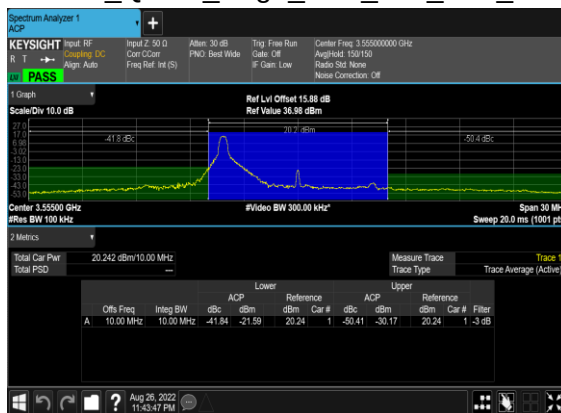
N48(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Right\_Low\_CH



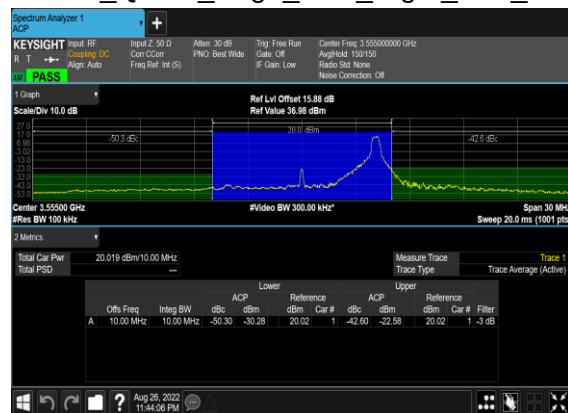
N48(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



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



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



**Keysight Spectrum Analyzer 1**  
**ACP**

**KEYSIGHT** Input: RF  
 R T → → Coupling: DC  
 Align: Auto

Input 2: 50 Ω  
 Corr: CCW  
 Freq Ref: Int (s)

Att: 30 dB  
 PWR: Best Wide

Trig: Free Run  
 Gate: Off  
 IF Gain: Low

Center Freq: 3.62490000 GHz  
 Resolved: 1501 Hz  
 Ratio: Std None  
 Noise Correction: Off

**dB PASS**

1 Graph  
 Scale/Div 10 dB

Ref Lvl Offset: 15.08 dBm  
 Ref Value: 36.98 dBm

Span: 30 MHz  
 Sweep: 20.0 ms (1001 pt)

Center: 3.62490 GHz  
 #Res: BW 100 kHz

#Video BW 300.00 kHz

2 Metrics

Total Car Pwr: 19.749 dBm/10.00 MHz  
 Total PSD: —

Measure Trace  
 Trace Type: Trace Average (Active)

|           |           | Lower     |           |        |           | Upper |           |        |               |
|-----------|-----------|-----------|-----------|--------|-----------|-------|-----------|--------|---------------|
|           |           | ACP       | Reference | ACP    | Reference | ACP   | Reference | ACP    | Filter        |
| Offs Freq | Integ BW  | dBc       | dBm       | dBm    | Car #     | dBc   | dBm       | dBm    |               |
| A         | 10.00 MHz | 10.00 MHz | -46.55    | -26.80 | 19.75     | 1     | -46.59    | -26.84 | 19.75 1 -3 dB |

Aug 26, 2022  
 11:45:09 PM

**Spectrum Analyzer 1**  
ACP

**KEYSIGHT** Input: RF, Output: Analog Auto, Span: 30 MHz, Center Freq: 3.624499000 GHz, Res BW: 100 kHz, Video BW: 300.00 kHz, Noise Correction: Off

**Graph**  
Scale: 10.0 dB

**Ref Level: 36.96 dBm**  
**Ref Value: 36.96 dBm**

**Center: 3.624499 MHz**  
**Span: 30 MHz**  
**Res BW: 100 kHz**  
**Sweep: 20.0 ms (1001 pts)**

**Metrics**

| Total Car Pair | 21.799 dBm/10.00 MHz | Trace Type | Trace Average (AC) |
|----------------|----------------------|------------|--------------------|
| Total PSD      | -                    |            |                    |

| Offs Freq | Integ BW  | dBc       | dBm    | Reference | Car # | ACB | Reference | Car #  | Filter |         |
|-----------|-----------|-----------|--------|-----------|-------|-----|-----------|--------|--------|---------|
| A         | 10.00 MHz | 10.00 MHz | -42.98 | -21.18    | 21.80 | 1   | -51.07    | -29.27 | 21.80  | 1 -3 dB |

**Windows Taskbar:** Aug 26, 2022, 11:45:54 PM

**Keysight Spectrum Analyzer 1 ACP**

**KEYSIGHT** Input RF, Resolving DC, Auto Align, **PASS**

R T → Input Z: 50 Ω, Input 2: 50 Ω, Center Freq: 3.62499000 GHz, Span: 30 dB, Res BW: 100 kHz, Span: 20.0 ms (1001 pts)

1 Graph

Scale/Div 10.0 dB

Ref Lvl Offset: 15.85 dB, Ref Value: 38.95 dBm

Center: 3.62499 GHz, #Res BW: 100 kHz, #Video BW: 300.0 kHz

2 Metrics

Total Car Power: 21.175 dBm/10.0 MHz, Measure Trace, Trace Type: Trace, Trace Average (AC)

| Offs Freq | Integ BW  | dBc    | ACP    | Lower | Reference | ACP    | Upper  | Reference | Filter  |
|-----------|-----------|--------|--------|-------|-----------|--------|--------|-----------|---------|
|           |           |        | dBm    | dBm   | Car #     | dBm    | dBm    | Car #     |         |
| 10.10 MHz | 10.00 MHz | -50.48 | -29.31 | 21.18 | 1         | -41.51 | -20.33 | 21.18     | 1 -3 dB |

Aug 26, 2022 11:46:40 PM

**Spectrum Analyzer 1 ACAP**

**KEYSIGHT** Input RF: **Channeling DC** Input 2: 50.0 D Core C-Corr: **Align: Auto** Freq Ref: 10.0 Hz

**Attain:** 30 dB **PNO:** Best Wide **Trig:** Free Run **Gate:** Off **Center Freq:** 3.624990000 GHz

**dBm:** PASS **IF:** Gain Low **Ratio:** Std Noise **Name:** Correction: Off **Assigned:** 101150

**1 Graph**

**Scale/Div:** 10.0 dB **Ref Lvl Offset:** 15.01 dB **Ref Value:** 36.91 dBm

**Center:** 3.62499 MHz **#Res:** BW 100 kHz **Span:** 30 MHz **Sweep:** 20.0 ms (1001 pts)

**2 Metrics**

| Total Car Pair | 19.394 dBm/10.00 MHz | Measure Trace | Trace Type | Trace Average (ACAP) |
|----------------|----------------------|---------------|------------|----------------------|
| Total PSD      | ---                  |               |            |                      |

| ACAP      |           |           |        | Lower  |       |       |        | Reference |       |       |    | Upper  |        |       |   |
|-----------|-----------|-----------|--------|--------|-------|-------|--------|-----------|-------|-------|----|--------|--------|-------|---|
| Offs Freq | Integ BW  | dBc       | dBm    | dBc    | dBm   | Car # | 1      | dBc       | dBm   | Car # | 1  | dBc    | dBm    | Car # | 1 |
| A         | 10.00 MHz | 10.00 MHz | -46.19 | -26.80 | 19.39 | 1     | -45.86 | -26.47    | 19.39 | 1     | -3 | -45.86 | -26.47 | 19.39 | 1 |

Spectrum Analyzer 1  
ACP

KEYSIGHT Input RF  
R T → Creating DC  
Align Auto

Input Z: 50 Ω  
Corr CCor  
Freq Ref Int (S)

Attten: 30 dB  
PNO: Best Wide

Trig Free Run  
Gate: Off  
IF Gain: Low

Center Freq: 3.624900000 GHz  
Amp/Hzd: 150/150  
Stats Std None  
Noise Correction: Off

1 Graph  
Scale/Div 10.0 dB

Ref Lvl Offset 15.62 dB  
Ref Value 36.82 dBm

-43.5 dBc

Video BW 300.00 MHz

Span 30 MHz  
Sweep 20.0 ms (1001 pts)

2 Metrics

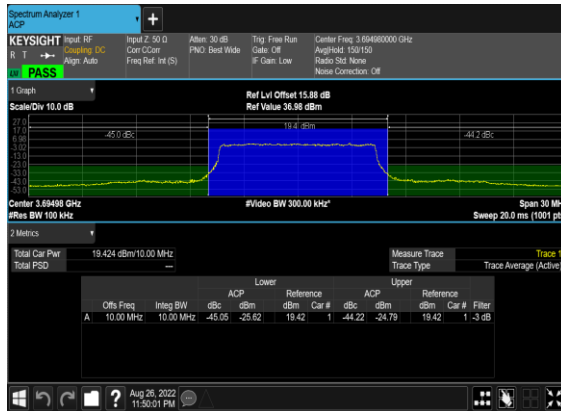
Total Car Pwr 20.607 dBm/10.00 MHz  
Total PSD

|           |           | Lower     |           |        |           | Upper |           |        |           |         |
|-----------|-----------|-----------|-----------|--------|-----------|-------|-----------|--------|-----------|---------|
|           |           | ACP       | Reference | ACP    | Reference | ACP   | Reference | ACP    | Reference |         |
| Offs Freq | Integ BW  | dBc       | dBm       | dBm    | Car #     | dBc   | dBm       | dBm    | Car #     |         |
| A         | 10.00 MHz | 10.00 MHz | -43.46    | -22.85 | 20.61     | 1     | -49.82    | -29.21 | 20.61     | 1 -3 dB |

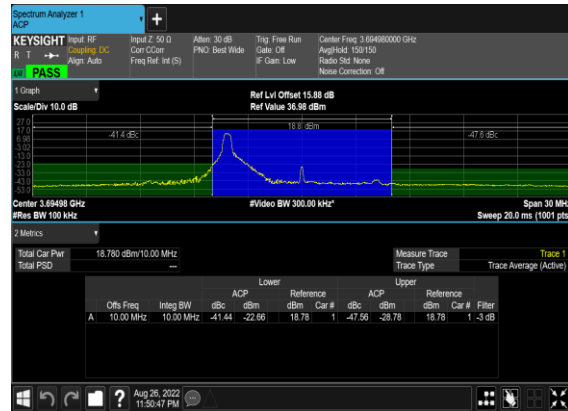
Aug 26, 2025  
11:48:13 AM

[illegible]

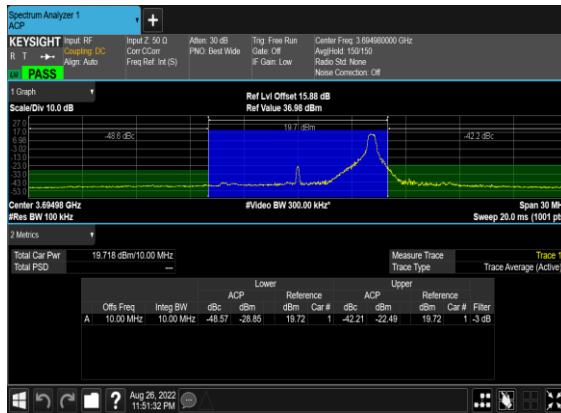
N48(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



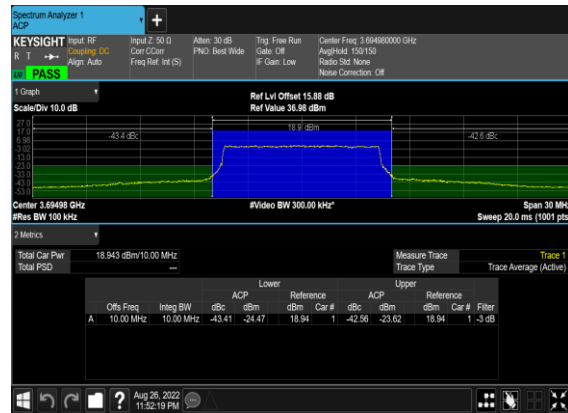
N48(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



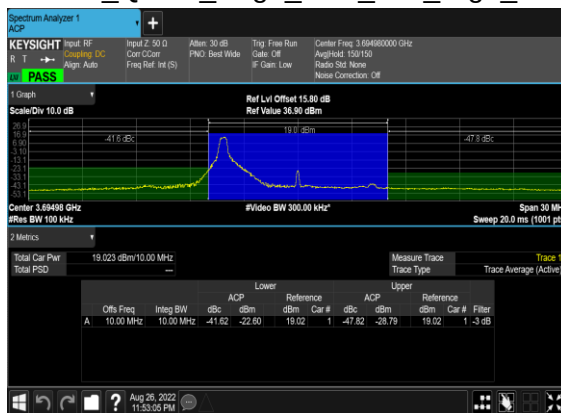
N48(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Right\_High\_CH



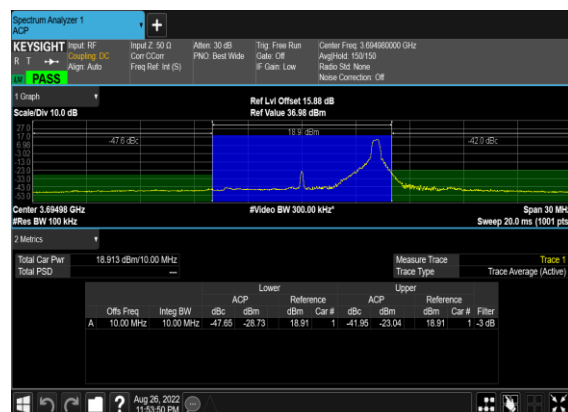
N48(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



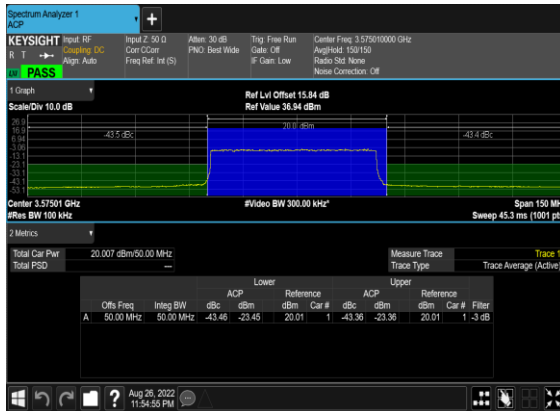
N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



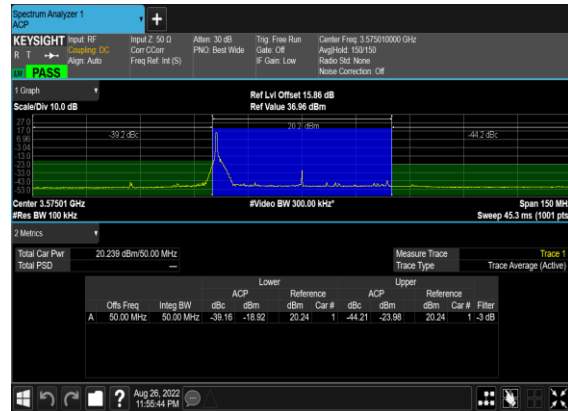
N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



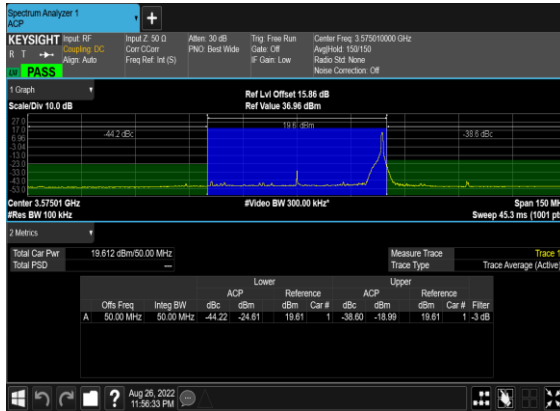
N48(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



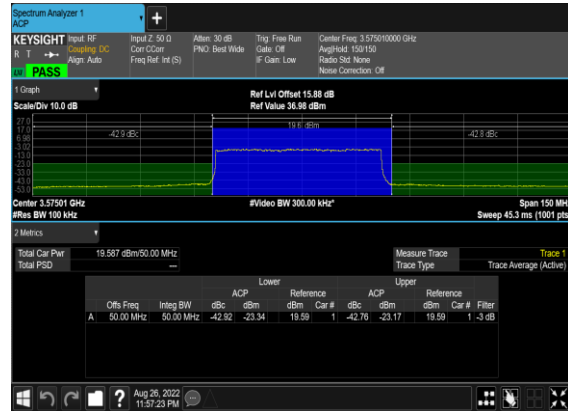
N48(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



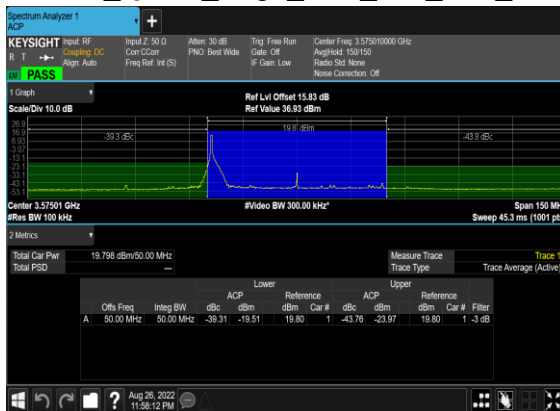
N48(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Right\_Low\_CH



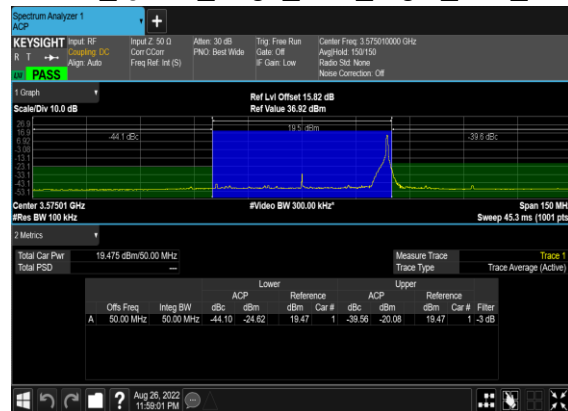
N48(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



N48(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



Spectrum Analyzer 1  
ACP

**KEYSIGHT** Input: RF  
R T →→ Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Port C: Car  
Freq Ref: Int (s)

Att: 30 dB  
P/N: Best Wide

Trig: Free Run  
Gate: Off  
IF Gain: Low

Center Freq: 3.62490000 GHz  
Amp: 14.0 dBm  
Ratio: Std None  
Noise Correction: Off

1 Graph  
Scale/Div 10.0 dB  
Ref Lvl Offset: 15.00 dB  
Ref Value: 36.96 dBm

Center: 3.62490 GHz  
#Res BW 100 kHz  
Span: 150 MHz  
Sweep: 45.3 ms (1001 pts)

2 Metrics

| Total Car Pwr | 19.840 dBm/50.00 MHz |
|---------------|----------------------|
| Total PSD     | -                    |

|           |           | ACP       |        | Reference |       | ACP |        | Upper  |       | Reference |     | Filter |        |
|-----------|-----------|-----------|--------|-----------|-------|-----|--------|--------|-------|-----------|-----|--------|--------|
| Offs Freq | Integ BW  | dBc       | dBm    | dBm       | Car # | dBc | dBm    | dBm    | Car # | dBc       | dBm | Car #  | Filter |
| A         | 50.00 MHz | 50.00 MHz | -43.30 | -23.46    | 19.84 | 1   | -42.82 | -22.98 | 19.84 | 1         | -3  | dB     |        |

Measure Trace  
Trace Type  
Trace Average (Active)

**Spectrum Analyzer 1**  
ACP

**KEYSIGHT** Input: RF, Output: DC, Acp: Auto, Span: 150 MHz, Res: 150 Hz, Noise: Correction Off

**1 Graph**  
Scale/Div: 10.0 dB

**Ref Level: 15.00 dBm**  
**Ref Value: 36.98 dBm**

**Center: 3.63400 GHz**  
**Span: 150 MHz**  
**IF Res BW: 100 kHz**  
**Sweep: 45.3 ms (1001 pts)**

**2 Metrics**

| Total Car Power | 19.742 dBm/50.00 MHz | Trace Type | Trace Average (AC) |
|-----------------|----------------------|------------|--------------------|
| Total PSD       |                      |            |                    |

| Offs Freq | Integ BW  | ACP       | Lower  | Reference | ACP   | Upper | Reference | ACP    | Filter |         |
|-----------|-----------|-----------|--------|-----------|-------|-------|-----------|--------|--------|---------|
| dBc       | dBm       | dBm       | Car #  | dBc       | dBm   | Car # | dBc       | dBm    |        |         |
| A         | 50.00 MHz | 50.00 MHz | -39.35 | -19.61    | 19.74 | 1     | -43.15    | -23.41 | 19.74  | 1 -3 dB |

[illegible]

**Spectrum Analyzer 1 ACP**

**KEYSIGHT** Input RF: **Channeling DC** Input 2: 50.0 D Core Cnt: Freq Ref: 1st (S) Attm: 30 dB PNO: Best Wide Trig: Freq Run Gate: Off IF: Gain: Low Center Freq: 3.624690000 GHz Assigned: 1919150 Ratio: Std: None Noise Correction: Off

**19.1 PASS**

1 Graph Scale/Div: 10.0 dB Ref Lvl Offset: 15.00 dB Ref Value: 36.90 dBm

Center 3.63499 kHz #Res BW 100 kHz #Video BW 300.00 MHz Span 150 MHz Sweep 45.3 ms (1000 pts)

2 Metrics

| Total Car Pair | 19.216 dBm/50.00 MHz | Trace 1             |
|----------------|----------------------|---------------------|
| Total PSD      | -                    | Trace Average (ACP) |

| Lower     |           |           |        | Upper     |       |           |        |        |
|-----------|-----------|-----------|--------|-----------|-------|-----------|--------|--------|
| Offs Freq | Integ BW  | dBC       | dBm    | Reference | ACP   | Reference | ACP    |        |
| A         | 50.00 MHz | 50.00 MHz | -42.54 | -23.32    | 19.22 | 1         | -42.03 | -22.62 |
|           |           |           |        |           | 19.22 | 1         | -3     | dB     |

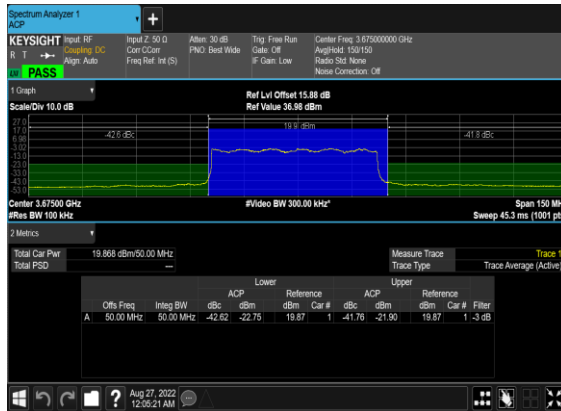
The screenshot displays the Keysight Spectrum Analyzer 1 ACP interface. The top section shows the instrument name and a '+' icon. Below this, the 'KEYSIGHT' logo is visible, followed by a row of icons for 'Input RF', 'Creating DC', 'Align Auto', and 'Pass'. The 'Pass' icon is highlighted in green. The main display area shows a spectrum plot with a green trace. The plot has a scale of 10.0 dB and a span of 150 MHz. The center frequency is 3.624690000 GHz, and the resolution bandwidth (RBW) is 100 kHz. The video bandwidth (VBW) is 300 kHz. The plot shows a signal with a peak at 3.62469 GHz and a noise floor at -39.2 dBc. The plot also shows a reference signal at 3.62469 GHz with a value of 36.95 dBm. The plot is labeled 'Video BW 300 kHz'.

Below the plot, there is a table of measurements. The table has two main sections: 'Lower' and 'Upper'. The 'Lower' section shows measurements for the signal at 3.62469 GHz, including the offset frequency, integration bandwidth, and the signal level in dBc and dBm. The 'Upper' section shows measurements for the noise floor, including the offset frequency, integration bandwidth, and the noise level in dBc and dBm.

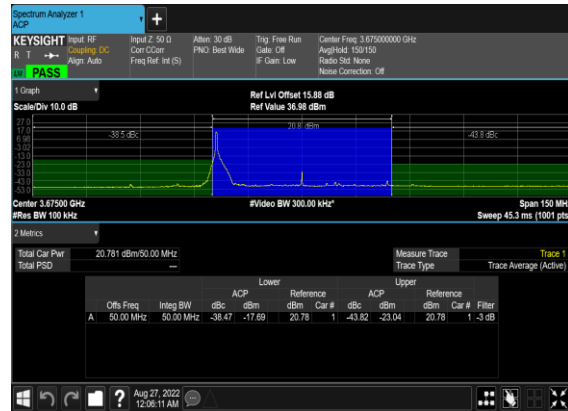
| Lower     |           | Reference |        | Upper  |        |
|-----------|-----------|-----------|--------|--------|--------|
| Offs Freq | Integ BW  | dBc       | dBm    | dBc    | dBm    |
| 0 Hz      | 50.00 MHz | -39.20    | -19.34 | -43.29 | -23.42 |
| ACP       |           |           | 19.86  |        | 19.86  |
| Car #     |           |           | 1      |        | 1      |
| Filter    |           |           | -3 dB  |        | -3 dB  |

[illegible]

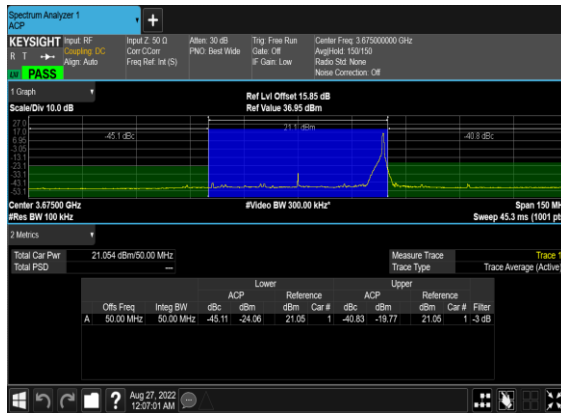
N48(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



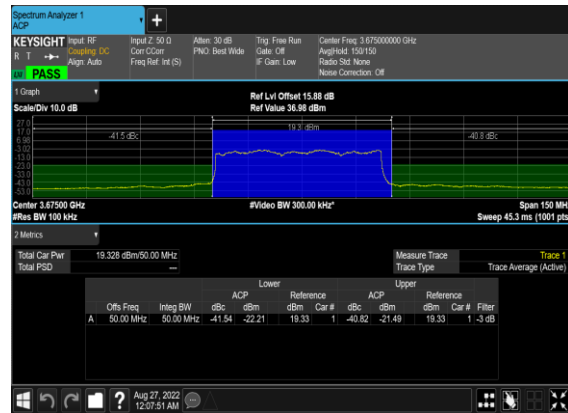
N48(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



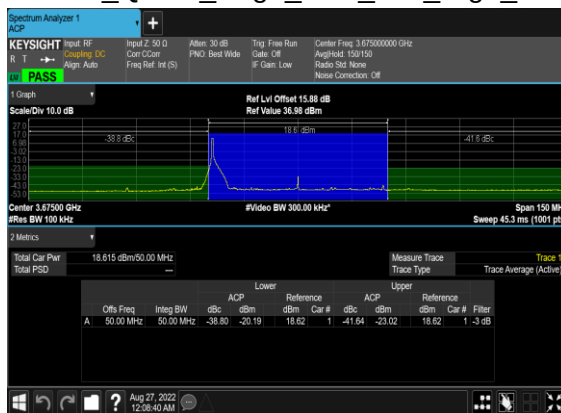
N48(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Right\_High\_CH



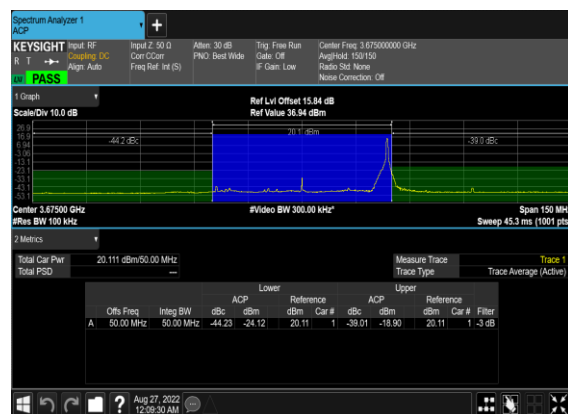
N48(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



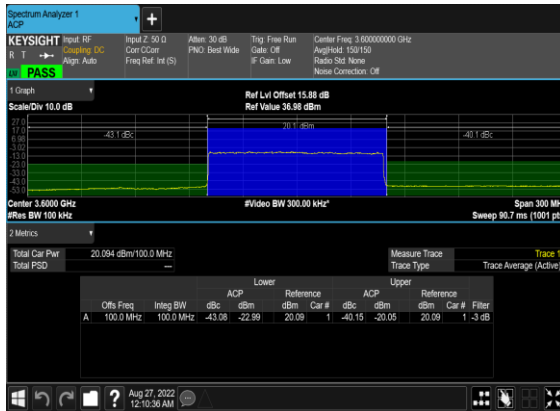
N48(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



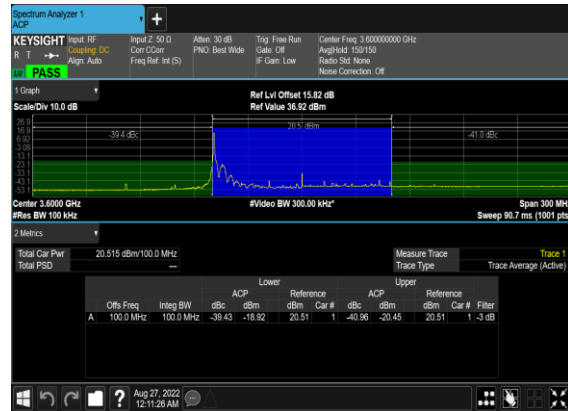
N48(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



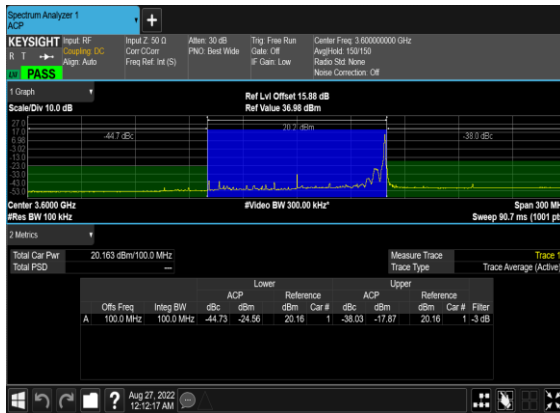
N48(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



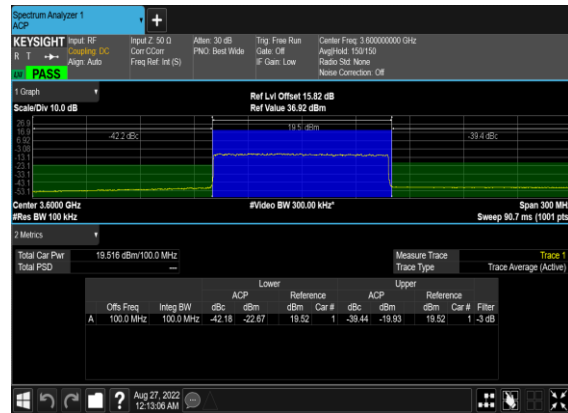
N48(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



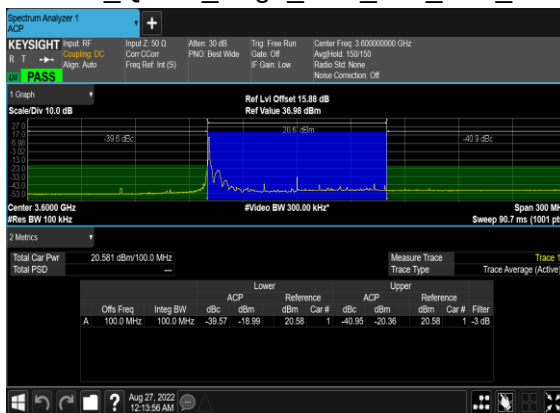
N48(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Right\_Low\_CH



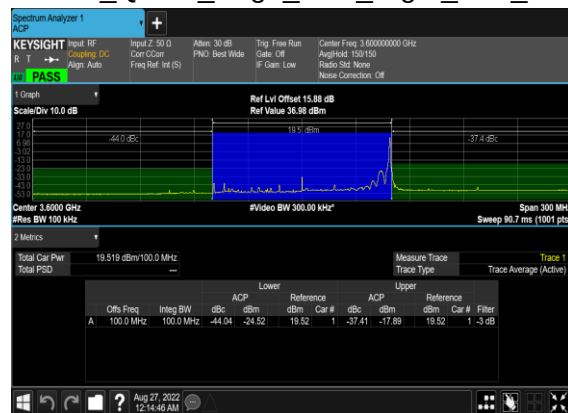
N48(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



N48(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



**Spectrum Analyzer 1 ACP**

**KEYSIGHT** Input RF: 100.0 MHz, Center Freq: 100.000000 GHz, Span: 300 MHz  
 R T → → → Coupling DC, Corr CCen, PNO Best Wide, Trig Free Run, Gate Off, Ref Level Offset: 15.00 dBm, Ref Value: 36.96 dBm  
 Align Auto, IF Gain: Low, Noise Correction: Off

**1 Graph**  
 Scale/Div 10.0 dB  
 #Video BW 300.00 kHz  
 Sweep 90.7 ms (1001 pts)

| Offs Freq | Integ BW  | dBc       | ACP    | Lower  | Reference | ACP | Upper  | Reference | Car # | Filter  |
|-----------|-----------|-----------|--------|--------|-----------|-----|--------|-----------|-------|---------|
| A         | 100.0 MHz | 100.0 MHz | -42.72 | -22.87 | 19.85     | 1   | -39.63 | -19.78    | 19.85 | 1 -3 dB |

Spectrum Analyzer 1  
ACP

**KEYSIGHT** Input RF  
R T → **Logging DC**  
Appl: Auto

Input 2: 50.0  
Cen C Freq  
Freq Ref: 1st (S)

Att: 30 dB  
PNO: Best Wide

Trig: Free Run  
Gate: Off  
IF Gain: Low

Center Freq: 3.62460000 GHz  
Assigned: 153150  
Ratio Set: None  
Noise Correction: Off

**USE PASS**

1 Graph  
Scale/Div: 10.0 dB

Ref Lvl Diff: 15.85 dBm  
Ref Value: 36.95 dBm

Span 300 MHz  
Sweep 90.7 ms (1001 pts)

2 Metrics

Total Car Pair: 20.534 dBm/100.0 MHz  
Total PSD: —

Measure Trace  
Trace Type: —  
Trace Average (Active): —

| Lower        |           |        |        | Upper     |     |        |         |
|--------------|-----------|--------|--------|-----------|-----|--------|---------|
| Offs Freq    | Integ BW  | dBc    | dBm    | Reference | dBc | dBm    | Filter  |
| A: 100.0 MHz | 100.0 MHz | -38.69 | -19.16 | 20.53     | 1   | -40.72 | -20.18  |
|              |           |        |        | 20.53     |     |        | 1 -3 dB |

Aug 27, 2022  
12:16:42 AM

**Keysight Spectrum Analyzer 1**

**KEYSIGHT** Input RF  
 R T → → → Locking DC  
 Align Auto

Input Z: 50 Ω  
 Corr CCW  
 Freq Ref Int (S)

Atten: 30 dB  
 PNO Best Wide

Trig Free Run  
 Gate: Off  
 IF Scan: Low

Center Freq: 3.62496000 GHz  
 ArgHz40: 101150  
 Ratio Set: None  
 Noise Correction: Off

1 Graph  
 Scale/Div 100 dBm

Ref Lvl Offset: 15.92 dB  
 Ref Value 36.92 dBm

Span 300 MHz  
 Sweep 90.7 ms (1001 pts)

Center: 3.6250 GHz  
 #Res BW 100 kHz  
 #Video BW 300.00 kHz

2 Metrics

Total Car Power: 19.437 dBm/100.0 MHz  
 Total PSD: —

Measure Trace  
 Trace Type: —  
 Trace Average (Ave): —

| Lower     |           |           |        | Upper  |           |        |           |
|-----------|-----------|-----------|--------|--------|-----------|--------|-----------|
| Offs Freq | Integ BW  | dBc       | dBm    | ACP    | Reference | ACP    | Reference |
| Car #     |           |           |        | dBm    | Car #     | dBm    | Car #     |
| A         | 100.0 MHz | 100.0 MHz | -43.93 | -24.49 | 19.44     | 1      | -36.65    |
|           |           |           |        |        |           | -17.21 | 19.44     |
|           |           |           |        |        |           |        | 1 -3 dB   |

Aug 27, 2022  
 12:17:33 AM

**Spectrum Analyzer 1**  
ACP

**KEYSIGHT** Input RF  
R T → Align Auto  
Align Auto

Input Z: 50 Ω  
Core C: Core  
Freq Ref: 1st (S)

Att: 30 dB  
PNO: Best Wide

Trig: Free Run  
Gate: Off  
F: Gain Low

Center Freq: 3.62450000 GHz  
Assigned: 100150  
Ratio: Std Noise  
Noise Correction: Off

**IN PASS**

1 Graph  
Scale/Div: 10.0 dB  
Ref Level Offset: 15.02 dB  
Ref Value: 36.92 dBm

20.0  
18.0  
16.0  
14.0  
12.0  
10.0  
8.0  
6.0  
4.0  
2.0  
0.0  
-2.0  
-4.0  
-6.0  
-8.0  
-10.0  
-12.0  
-14.0  
-16.0  
-18.0  
-20.0

-42.0 dBc

100.0 MHz

#Video BW 300.0 MHz

Span 300 MHz  
Sweep 90.7 ms (1000 pts)

2 Metrics

Total Car Power: 19.294 dBm/100.0 MHz  
Total PSD

Measure Trace  
Trace Type: Trace Average (ACQ)

| Lower     |           |           |        | Upper     |       |           |        |        |
|-----------|-----------|-----------|--------|-----------|-------|-----------|--------|--------|
| Offs Freq | Integ BW  | dBc       | dBm    | Reference | dBc   | Reference | dBm    |        |
| A         | 100.0 MHz | 100.0 MHz | -42.00 | -22.71    | 19.29 | 1         | -38.85 | -19.55 |
|           |           |           |        |           |       |           | 19.29  | 1      |
|           |           |           |        |           |       |           | -3     | dB     |

Aug 23, 2022  
12:18:23 AM

[illegible]

Spectrum Analyzer 1  
ACP

**KEYSIGHT** Input RF: 15.88 dBm  
R 1 → Coupling: Auto  
Apn: Auto

Att: 30 dB  
PNO: Best Wide  
Trig: Free Run  
Gate: Off  
IF Gain: Low

Center Freq: 3.62490000 GHz  
Apathd: 153150  
Ratio Sd: None  
Noise Correction: Off

1 Graph  
Scale/Div: 10.0 dB

Ref Lvl Offset: 15.88 dB  
Ref Value: 36.96 dBm

Center: 3.6250 GHz  
dBref BW: 100 kHz  
FVideo BW: 300.00 kHz

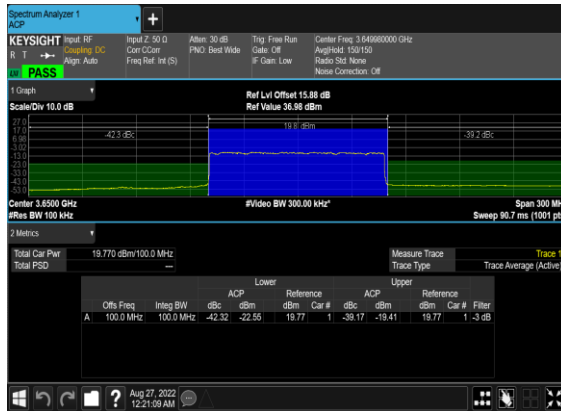
Span: 300 MHz  
Sweep: 90.7 ms (1001 pts)

2 Metrics

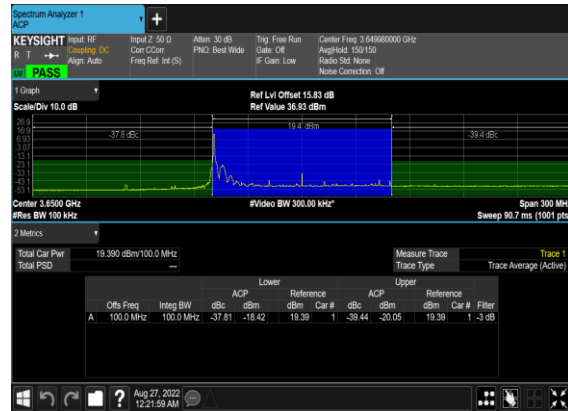
| Total Car Pwr | 19.941 dBm/100.0 MHz | Measure Trace | Trace 1                |
|---------------|----------------------|---------------|------------------------|
| Total PSD     | ---                  | Trace Type    | Trace Average (Active) |
|               |                      | Lower         |                        |
| Offs Freq     | Integ BW             | dBc           | ACP                    |
| 100.0 MHz     | 100.0 MHz            | -44.33        | -24.39                 |
|               |                      | Reference     | ACP                    |
|               |                      | 19.94         | -38.10                 |
|               |                      |               | -18.16                 |
|               |                      | Reference     | ACP                    |
|               |                      | 19.94         | 1                      |
|               |                      |               | -3 dB                  |
|               |                      | Upper         |                        |

Apr 27, 2022  
12:26:03 AM

N48(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



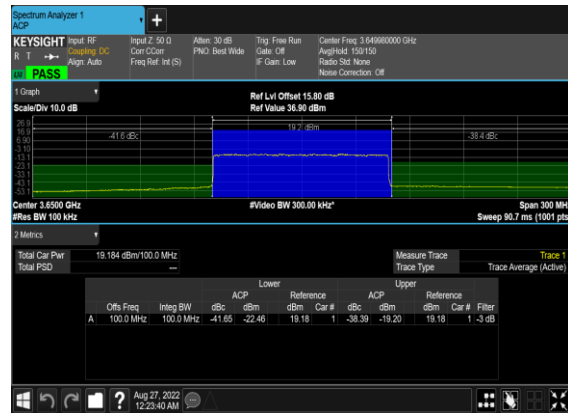
N48(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



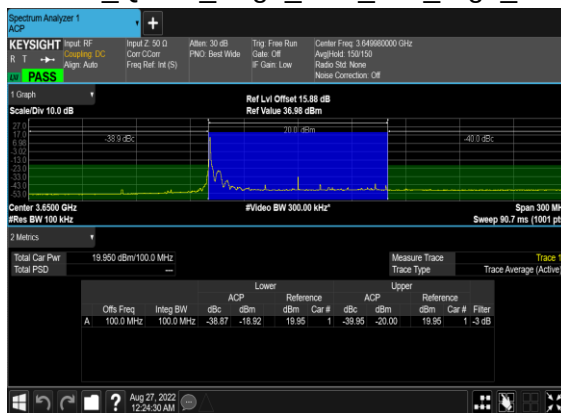
N48(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Right\_High\_CH



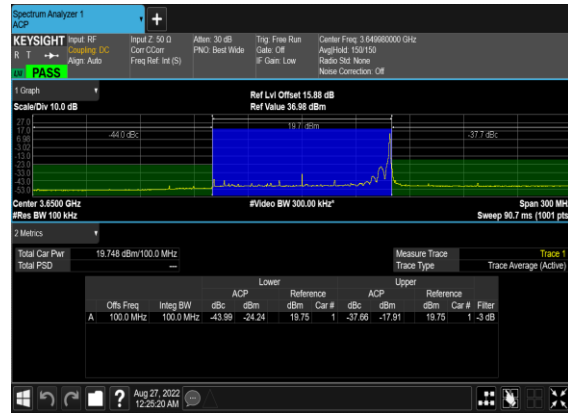
N48(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N48(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N48(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



## Conducted Spurious Emissions

| 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 | ---     |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 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 | ---     |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK | 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 | ---     |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM BPSK | 1@23 | 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 | ---     |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK | 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 | ---     |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM BPSK | 24@0 | 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 | ---     |
| 48      | 30        | 10              | 637000 | 3555.0     | DFT-s-OFDM QPSK | 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 | ---     |
| 48      | 30        | 10              | 641666 | 3624.99    | DFT-s-OFDM BPSK | 1@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 | ---     |

|    |    |    |        |         |                 |      |           |      |
|----|----|----|--------|---------|-----------------|------|-----------|------|
| 48 | 30 | 10 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 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 | ---  |
| 48 | 30 | 10 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@23 | 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 | ---  |
| 48 | 30 | 10 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 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 | ---  |
| 48 | 30 | 10 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 24@0 | 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 | ---  |
| 48 | 30 | 10 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 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 | ---  |
| 48 | 30 | 10 | 646332 | 3694.98 | DFT-s-OFDM BPSK | 1@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 | ---  |
| 48 | 30 | 10 | 646332 | 3694.98 | DFT-s-OFDM QPSK | 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 | ---  |
| 48 | 30 | 10 | 646332 | 3694.98 | DFT-s-OFDM BPSK | 1@23 | 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 | ---  |

|    |    |    |        |         |                 |       |           |      |
|----|----|----|--------|---------|-----------------|-------|-----------|------|
| 48 | 30 | 10 | 646332 | 3694.98 | DFT-s-OFDM QPSK | 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 | ---  |
| 48 | 30 | 10 | 646332 | 3694.98 | DFT-s-OFDM BPSK | 24@0  | 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 | ---  |
| 48 | 30 | 10 | 646332 | 3694.98 | DFT-s-OFDM QPSK | 24@0  | see graph | PASS |
| 48 | 30 | 10 | 646332 | 3694.98 | DFT-s-OFDM QPSK | 24@0  | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 1@0   | see graph | ---  |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 1@0   | see graph | ---  |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 1@132 | see graph | ---  |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 1@132 | see graph | ---  |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 128@0 | see graph | ---  |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 128@0 | see graph | ---  |

|    |    |    |        |         |                 |       |           |      |
|----|----|----|--------|---------|-----------------|-------|-----------|------|
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 638334 | 3575.01 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@0   | see graph | ---  |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@0   | see graph | ---  |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@132 | see graph | ---  |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@132 | see graph | ---  |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 128@0 | see graph | ---  |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 128@0 | see graph | ---  |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50 | 645000 | 3675.0  | DFT-s-OFDM BPSK | 1@0   | see graph | ---  |
| 48 | 30 | 50 | 645000 | 3675.0  | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 645000 | 3675.0  | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50 | 645000 | 3675.0  | DFT-s-OFDM QPSK | 1@0   | see graph | ---  |

|    |    |     |        |        |                 |       |           |      |
|----|----|-----|--------|--------|-----------------|-------|-----------|------|
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM BPSK | 1@132 | see graph | ---  |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 1@132 | see graph | ---  |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM BPSK | 128@0 | see graph | ---  |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 128@0 | see graph | ---  |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 48 | 30 | 50  | 645000 | 3675.0 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM BPSK | 1@0   | see graph | ---  |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM QPSK | 1@0   | see graph | ---  |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM BPSK | 1@272 | see graph | ---  |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM BPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM BPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0 | DFT-s-OFDM QPSK | 1@272 | see graph | ---  |

|    |    |     |        |         |                 |       |           |      |
|----|----|-----|--------|---------|-----------------|-------|-----------|------|
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM BPSK | 270@0 | see graph | ---  |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK | 270@0 | see graph | ---  |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 640000 | 3600.0  | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@0   | see graph | ---  |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@0   | see graph | ---  |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@272 | see graph | ---  |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@272 | see graph | ---  |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 270@0 | see graph | ---  |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 270@0 | see graph | ---  |

|    |    |     |        |         |                 |       |           |      |
|----|----|-----|--------|---------|-----------------|-------|-----------|------|
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 641666 | 3624.99 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 1@0   | see graph | ---  |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 1@0   | see graph | ---  |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 1@0   | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 1@272 | see graph | ---  |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 1@272 | see graph | ---  |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 1@272 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 270@0 | see graph | ---  |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 270@0 | see graph | ---  |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 48 | 30 | 100 | 643332 | 3649.98 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |