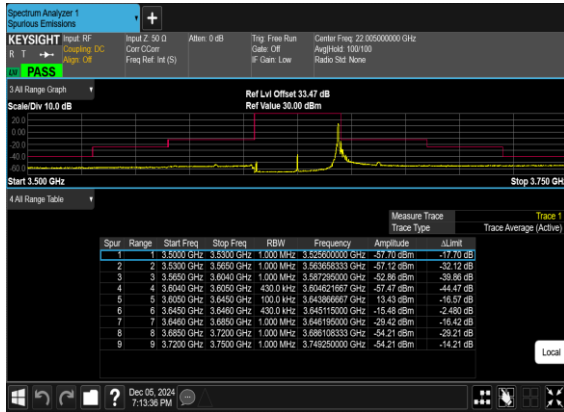




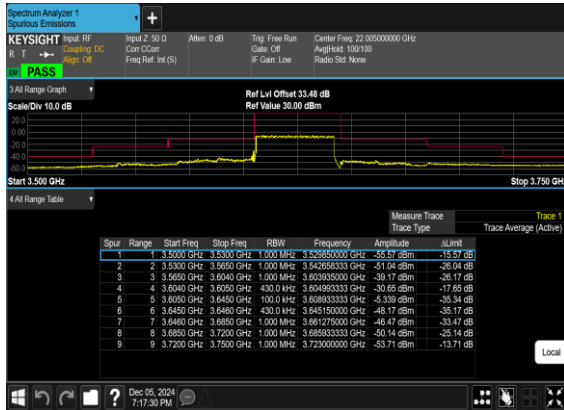
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



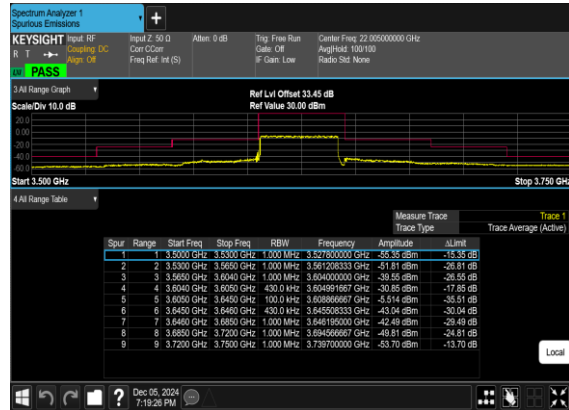
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH

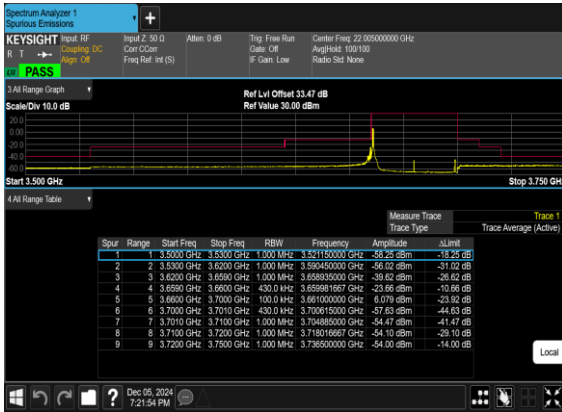


N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

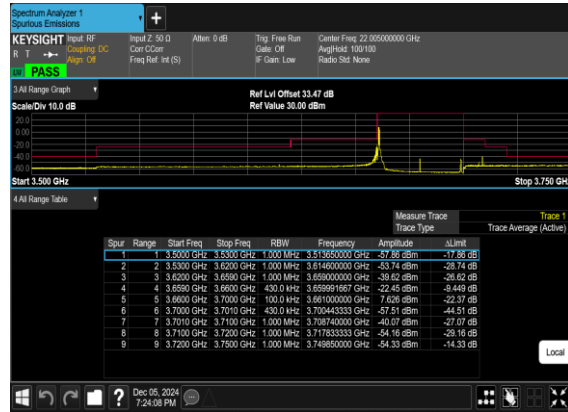




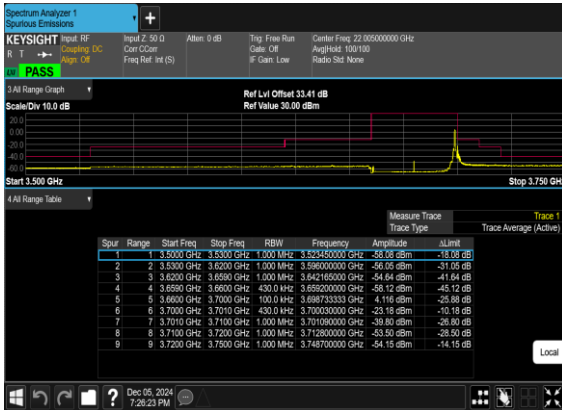
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



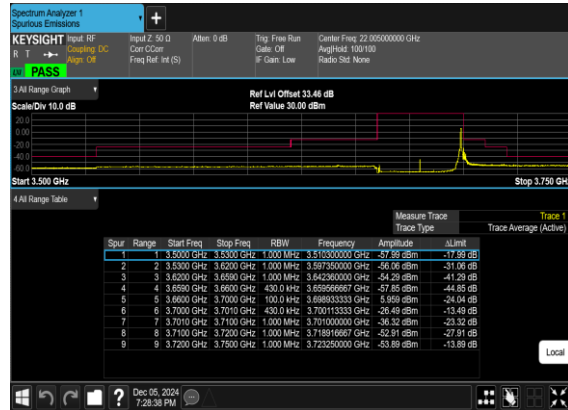
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

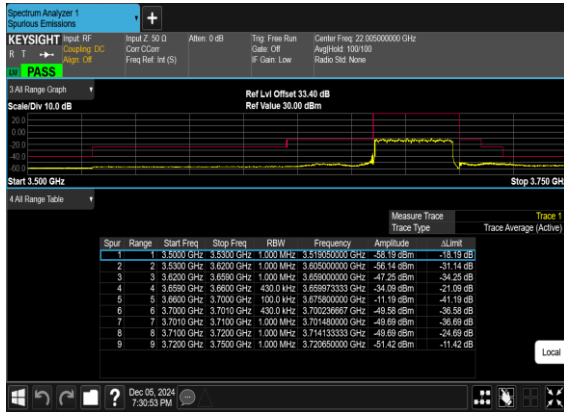


N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

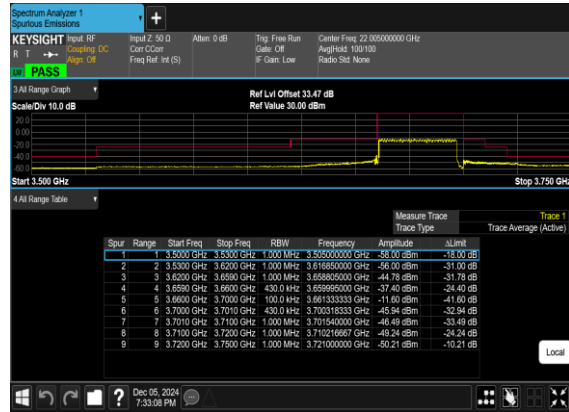




N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N48 MIMO-ANT(4+8)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.2dB

| NR Band | SCS | BandWidth | Arfcn | Freq(MHz) | Modulation | RB | ANT4 Power(dBm) | ANT8 Power(dBm) | Conducted Power(dBm) | EIRP(dBm) | EIRP(W) |
|---------|-----|-----------|--------|-----------|-----------------|-------|--------------------|--------------------|-------------------------|-----------|---------|
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM QPSK | 53@26 | 20.96 | 20.71 | 23.85 | 21.65 | 0.1461 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM QPSK | 1@1 | 20.87 | 20.9 | 23.90 | 21.70 | 0.1478 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM QPSK | 1@104 | 21.05 | 20.94 | 24.01 | 21.81 | 0.1516 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 16 QAM | 53@26 | 20.49 | 20.14 | 23.33 | 21.13 | 0.1297 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 16 QAM | 1@1 | 20.33 | 20.17 | 23.26 | 21.06 | 0.1277 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 16 QAM | 1@104 | 20.39 | 20.26 | 23.34 | 21.14 | 0.1299 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 64 QAM | 53@26 | 18.92 | 18.64 | 21.79 | 19.59 | 0.0910 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 64 QAM | 1@1 | 18.96 | 18.77 | 21.88 | 19.68 | 0.0928 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 64 QAM | 1@104 | 18.93 | 18.85 | 21.90 | 19.70 | 0.0933 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 256 QAM | 53@26 | 15.95 | 15.58 | 18.78 | 16.58 | 0.0455 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 256 QAM | 1@1 | 16.02 | 15.76 | 18.90 | 16.70 | 0.0468 |
| 48 | 30 | 40 | 638000 | 3570 | CP-OFDM 256 QAM | 1@104 | 16.05 | 15.73 | 18.90 | 16.70 | 0.0468 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM QPSK | 53@26 | 21.11 | 20.88 | 24.01 | 21.81 | 0.1516 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM QPSK | 1@1 | 21.04 | 21.09 | 24.08 | 21.88 | 0.1540 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM QPSK | 1@104 | 21.01 | 20.82 | 23.93 | 21.73 | 0.1488 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 16 QAM | 53@26 | 20.59 | 20.43 | 23.52 | 21.32 | 0.1356 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@1 | 20.26 | 20.54 | 23.41 | 21.21 | 0.1322 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@104 | 20.36 | 20.25 | 23.32 | 21.12 | 0.1293 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 64 QAM | 53@26 | 19.03 | 18.86 | 21.96 | 19.76 | 0.0945 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 64 QAM | 1@1 | 18.99 | 19.03 | 22.02 | 19.82 | 0.0959 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 64 QAM | 1@104 | 18.93 | 18.79 | 21.87 | 19.67 | 0.0927 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 256 QAM | 53@26 | 16.04 | 15.89 | 18.98 | 16.78 | 0.0476 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 256 QAM | 1@1 | 16.09 | 15.96 | 19.04 | 16.84 | 0.0483 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 256 QAM | 1@104 | 16.02 | 15.71 | 18.88 | 16.68 | 0.0465 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM QPSK | 53@26 | 20.97 | 20.9 | 23.95 | 21.75 | 0.1495 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM QPSK | 1@1 | 21.18 | 20.9 | 24.05 | 21.85 | 0.1532 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM QPSK | 1@104 | 20.92 | 20.9 | 23.92 | 21.72 | 0.1486 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 16 QAM | 53@26 | 20.54 | 20.42 | 23.49 | 21.29 | 0.1346 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 16 QAM | 1@1 | 20.49 | 20.29 | 23.40 | 21.20 | 0.1319 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 16 QAM | 1@104 | 20.4 | 20.16 | 23.29 | 21.09 | 0.1286 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 64 QAM | 53@26 | 18.96 | 18.83 | 21.91 | 19.71 | 0.0934 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 64 QAM | 1@1 | 19.08 | 18.87 | 21.99 | 19.79 | 0.0952 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 64 QAM | 1@104 | 18.94 | 18.86 | 21.91 | 19.71 | 0.0936 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 256 QAM | 53@26 | 16.03 | 15.82 | 18.94 | 16.74 | 0.0472 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 256 QAM | 1@1 | 16.01 | 15.86 | 18.95 | 16.75 | 0.0473 |
| 48 | 30 | 40 | 645332 | 3679.98 | CP-OFDM 256 QAM | 1@104 | 15.92 | 15.86 | 18.90 | 16.70 | 0.0468 |
| 48 | 30 | 10 | 637000 | 3555 | CP-OFDM QPSK | 1@1 | 20.96 | 20.89 | 23.94 | 21.74 | 0.1491 |



| | | | | | | | | | | | |
|----|----|----|--------|---------|----------------|-----|-------|-------|-------|-------|--------|
| 48 | 30 | 10 | 637000 | 3555 | CP-OFDM 16 QAM | 1@1 | 20.18 | 20.28 | 23.24 | 21.04 | 0.1271 |
| 48 | 30 | 10 | 637000 | 3555 | CP-OFDM 64 QAM | 1@1 | 18.78 | 18.76 | 21.78 | 19.58 | 0.0908 |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM QPSK | 1@1 | 20.95 | 21.04 | 24.01 | 21.81 | 0.1515 |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@1 | 20.96 | 20.82 | 23.90 | 21.70 | 0.1479 |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 64 QAM | 1@1 | 18.95 | 18.83 | 21.90 | 19.70 | 0.0933 |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM QPSK | 1@1 | 21.07 | 20.9 | 24.00 | 21.80 | 0.1512 |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM 16 QAM | 1@1 | 21.1 | 21.04 | 24.08 | 21.88 | 0.1542 |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM 64 QAM | 1@1 | 18.94 | 18.98 | 21.97 | 19.77 | 0.0948 |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM QPSK | 1@1 | 21.01 | 20.81 | 23.92 | 21.72 | 0.1486 |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM 16 QAM | 1@1 | 20.31 | 20.1 | 23.22 | 21.02 | 0.1264 |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM 64 QAM | 1@1 | 18.99 | 18.71 | 21.86 | 19.66 | 0.0925 |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM QPSK | 1@1 | 21.07 | 20.96 | 24.03 | 21.83 | 0.1523 |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@1 | 21.16 | 20.9 | 24.04 | 21.84 | 0.1528 |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 64 QAM | 1@1 | 19.12 | 18.9 | 22.02 | 19.82 | 0.0960 |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM QPSK | 1@1 | 21.05 | 20.96 | 24.02 | 21.82 | 0.1519 |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM 16 QAM | 1@1 | 21.02 | 20.97 | 24.01 | 21.81 | 0.1515 |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM 64 QAM | 1@1 | 18.89 | 18.94 | 21.93 | 19.73 | 0.0939 |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM QPSK | 1@1 | 21.05 | 20.76 | 23.92 | 21.72 | 0.1485 |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM 16 QAM | 1@1 | 20.34 | 20.11 | 23.24 | 21.04 | 0.1270 |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM 64 QAM | 1@1 | 18.86 | 18.74 | 21.81 | 19.61 | 0.0914 |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 1@1 | 21.03 | 20.95 | 24.00 | 21.80 | 0.1514 |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@1 | 21.11 | 20.95 | 24.04 | 21.84 | 0.1528 |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 64 QAM | 1@1 | 18.96 | 18.95 | 21.97 | 19.77 | 0.0947 |
| 48 | 30 | 20 | 646000 | 3690 | CP-OFDM QPSK | 1@1 | 20.98 | 20.92 | 23.96 | 21.76 | 0.1500 |
| 48 | 30 | 20 | 646000 | 3690 | CP-OFDM 16 QAM | 1@1 | 20.39 | 20.21 | 23.31 | 21.11 | 0.1292 |
| 48 | 30 | 20 | 646000 | 3690 | CP-OFDM 64 QAM | 1@1 | 18.95 | 18.81 | 21.89 | 19.69 | 0.0931 |
| 48 | 30 | 30 | 637668 | 3565.02 | CP-OFDM QPSK | 1@1 | 21.22 | 20.93 | 24.09 | 21.89 | 0.1544 |
| 48 | 30 | 30 | 637668 | 3565.02 | CP-OFDM 16 QAM | 1@1 | 20.41 | 20.36 | 23.40 | 21.20 | 0.1317 |
| 48 | 30 | 30 | 637668 | 3565.02 | CP-OFDM 64 QAM | 1@1 | 19.07 | 18.99 | 22.04 | 19.84 | 0.0964 |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM QPSK | 1@1 | 21.11 | 21.14 | 24.14 | 21.94 | 0.1561 |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@1 | 20.52 | 20.32 | 23.43 | 21.23 | 0.1328 |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM 64 QAM | 1@1 | 19.07 | 19.07 | 22.08 | 19.88 | 0.0973 |
| 48 | 30 | 30 | 645666 | 3684.99 | CP-OFDM QPSK | 1@1 | 21.15 | 21.03 | 24.10 | 21.90 | 0.1549 |
| 48 | 30 | 30 | 645666 | 3684.99 | CP-OFDM 16 QAM | 1@1 | 20.54 | 20.3 | 23.43 | 21.23 | 0.1328 |
| 48 | 30 | 30 | 645666 | 3684.99 | CP-OFDM 64 QAM | 1@1 | 19.13 | 18.86 | 22.01 | 19.81 | 0.0957 |



FR1 N48 MIMO-ANT(4+8)_Ant4

Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|--------------|------|-----------------|---------|-------------|
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0045 | PASS | NV |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0031 | PASS | LV |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0022 | PASS | HV |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0027 | PASS | -30°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0026 | PASS | -20°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0032 | PASS | -10°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0008 | PASS | 0°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | -0.0016 | PASS | 10°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0019 | PASS | 20°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | -0.0022 | PASS | 30°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | -0.0017 | PASS | 40°C |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 0.0029 | PASS | 50°C |



Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------|------|-------------|------------|---------|
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 7.94 | 13 | PASS |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 1@0 | 7.78 | 13 | PASS |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 16 QAM | 51@0 | 7.94 | 13 | PASS |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@0 | 8.23 | 13 | PASS |



N48(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_16QAM_Edge_1RB_Left_Mid_CH



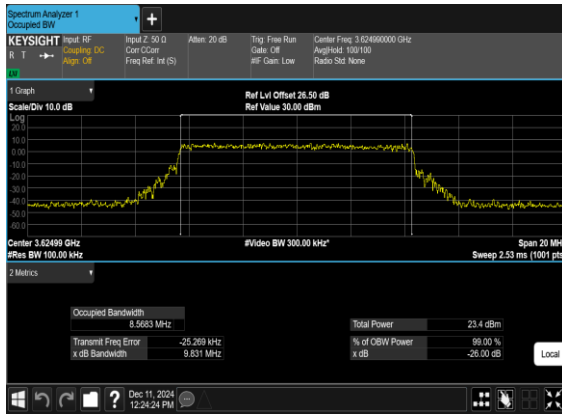


Occupied Bandwidth

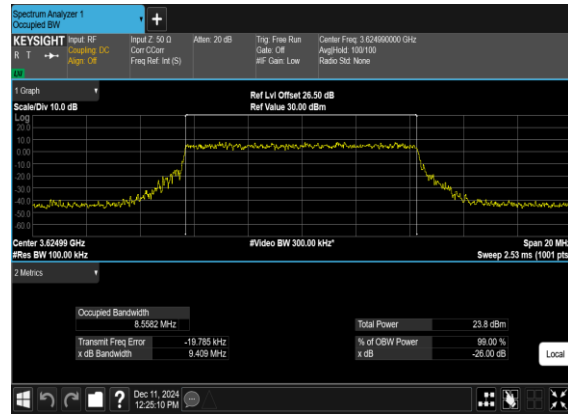
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | OBW (MHz) | 26dB BW (MHz) |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------------|
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM QPSK | 24@0 | 8.5683 | 9.831 |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 16 QAM | 24@0 | 8.5582 | 9.409 |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 64 QAM | 24@0 | 8.5712 | 9.66 |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 256 QAM | 24@0 | 8.5532 | 9.599 |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM QPSK | 38@0 | 13.555 | 14.88 |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 16 QAM | 38@0 | 13.501 | 14.61 |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 64 QAM | 38@0 | 13.595 | 14.81 |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 256 QAM | 38@0 | 13.563 | 14.66 |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | 18.19 | 19.25 |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 16 QAM | 51@0 | 18.232 | 19.46 |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 64 QAM | 51@0 | 18.21 | 19.61 |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 256 QAM | 51@0 | 18.259 | 19.71 |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM QPSK | 78@0 | 27.819 | 29.36 |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM 16 QAM | 78@0 | 27.893 | 29.08 |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM 64 QAM | 78@0 | 27.963 | 29.21 |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM 256 QAM | 78@0 | 27.811 | 29.21 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM QPSK | 106@0 | 37.746 | 39.14 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 16 QAM | 106@0 | 37.848 | 39.31 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 64 QAM | 106@0 | 37.828 | 39.27 |
| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM 256 QAM | 106@0 | 37.778 | 39.04 |



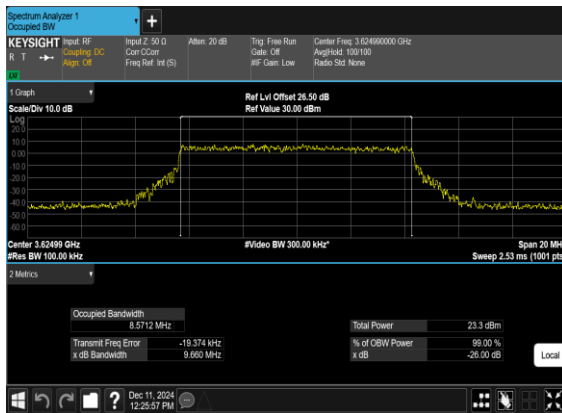
N48(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



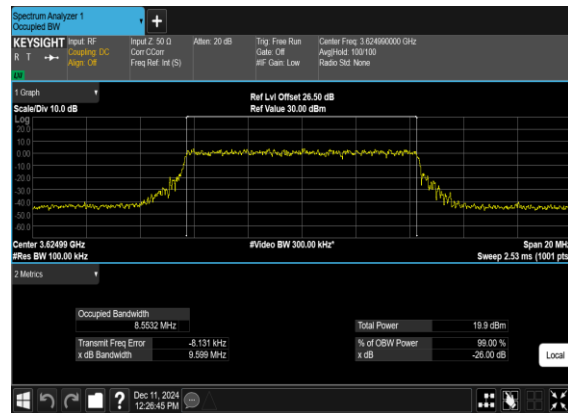
N48(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

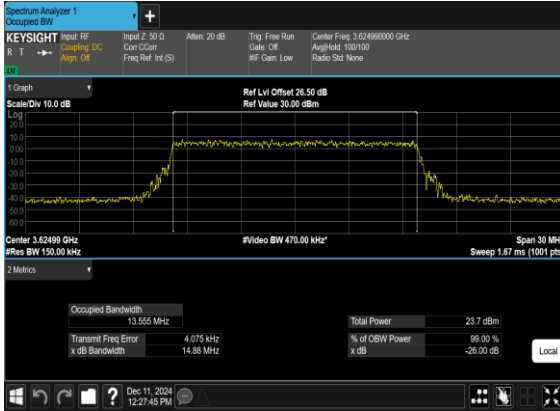


N48(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

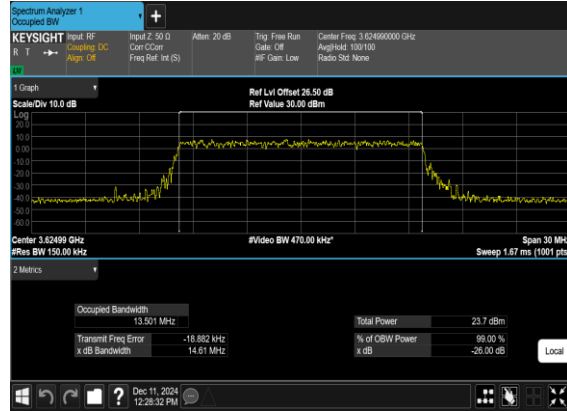




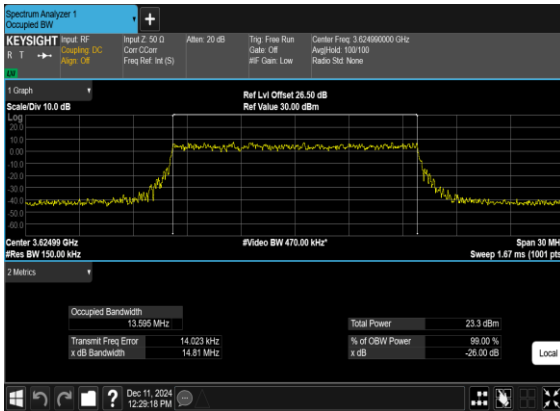
N48(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



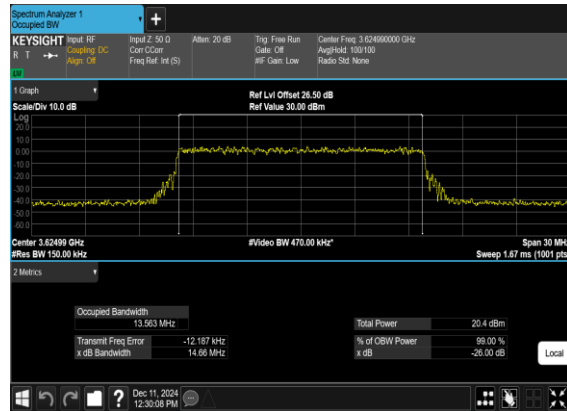
N48(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

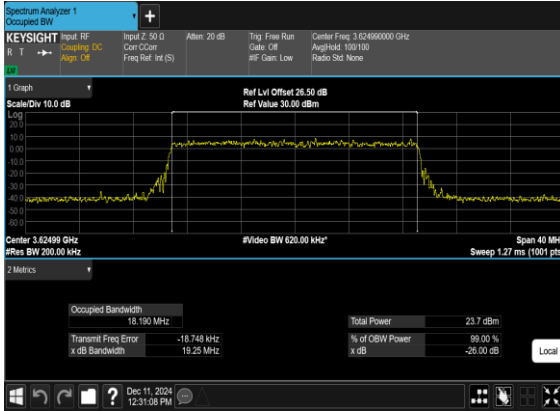


N48(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

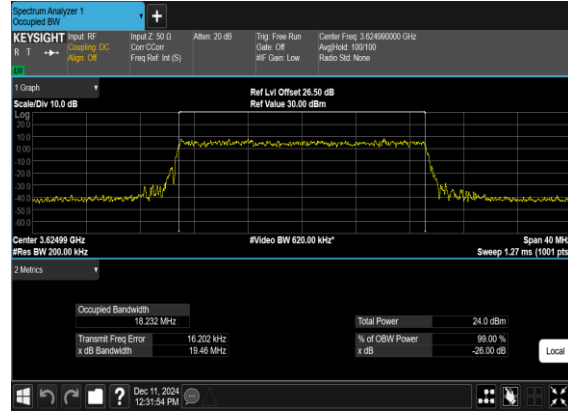




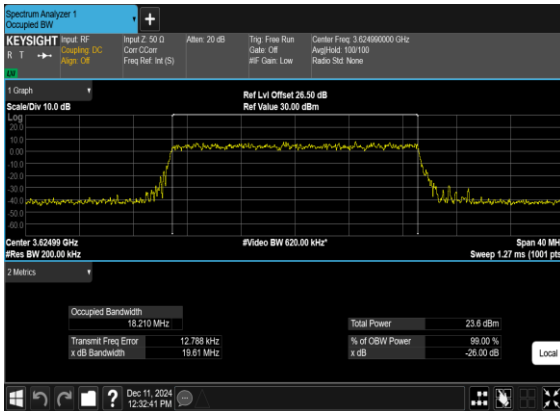
N48(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



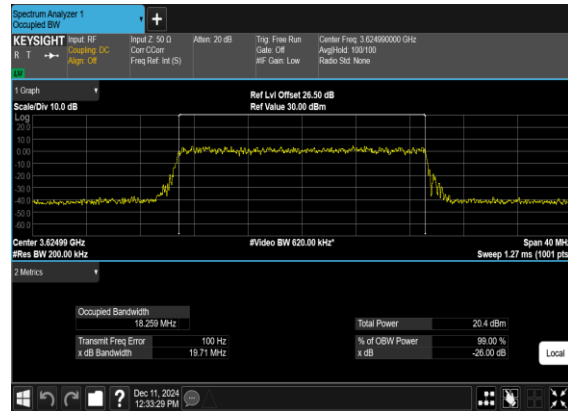
N48(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

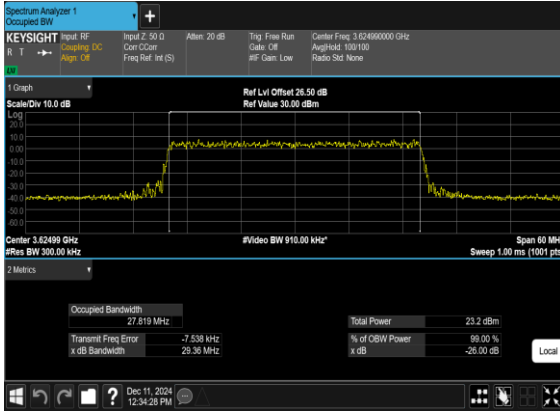


N48(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

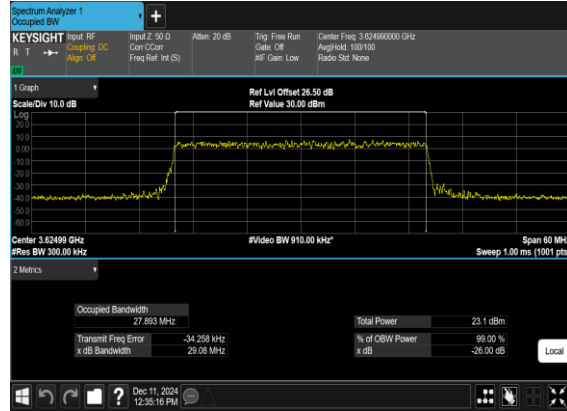




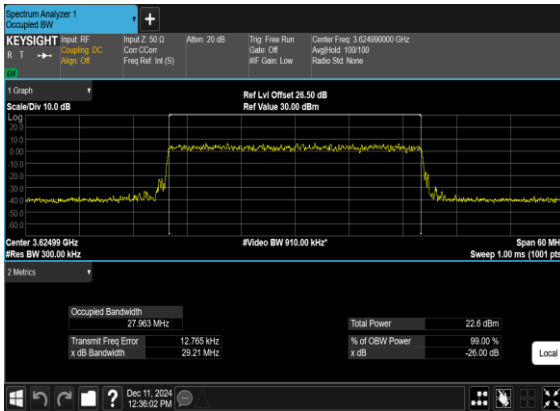
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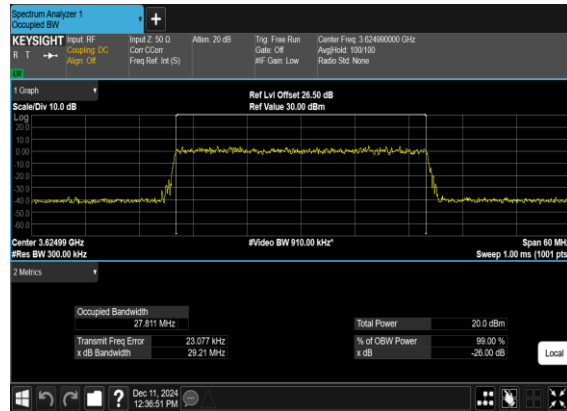
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N48(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

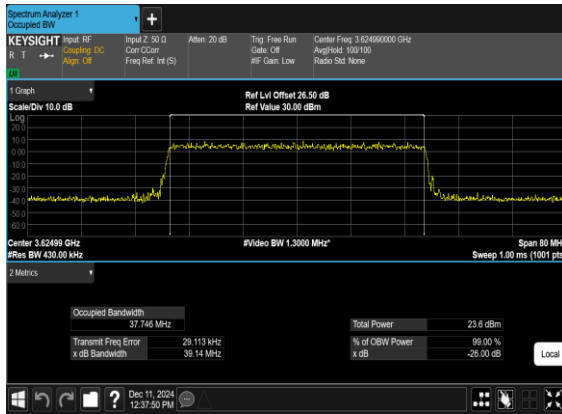


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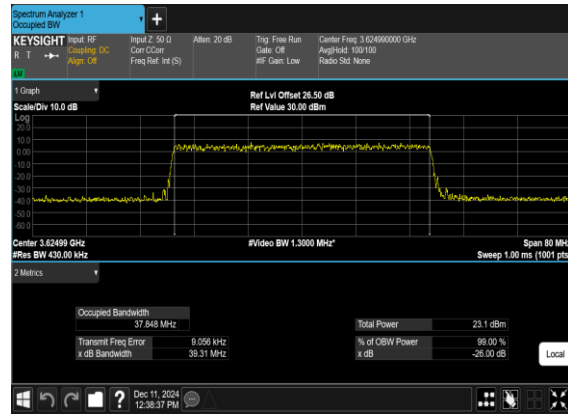




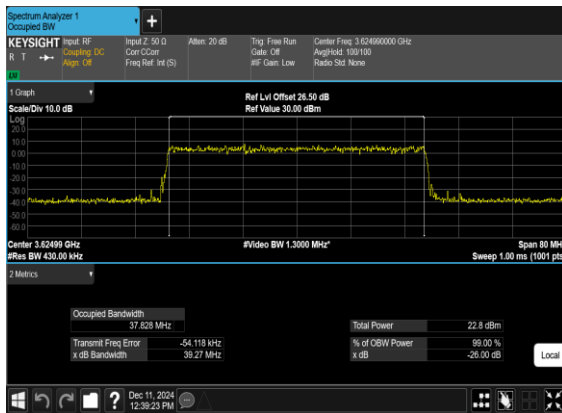
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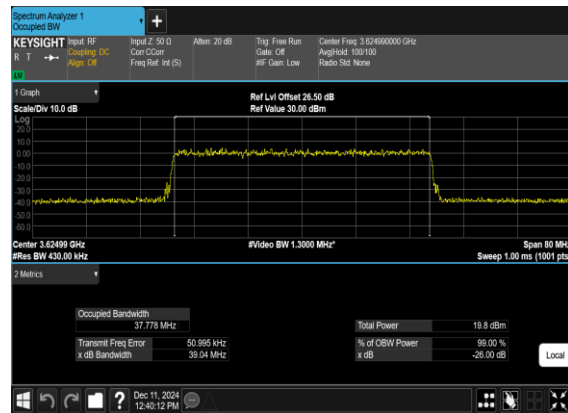
N48(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





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 | CP-OFDM QPSK | 1@0 | -10.17 | -17.03 | see graph | PASS |
| 48 | 30 | 10 | 637000 | 3555.0 | CP-OFDM 16 QAM | 1@0 | -9.27 | -16.98 | see graph | PASS |
| 48 | 30 | 10 | 637000 | 3555.0 | CP-OFDM QPSK | 1@23 | -17.02 | -10.23 | see graph | PASS |
| 48 | 30 | 10 | 637000 | 3555.0 | CP-OFDM 16 QAM | 1@23 | -17.0 | -11.26 | see graph | PASS |
| 48 | 30 | 10 | 637000 | 3555.0 | CP-OFDM QPSK | 24@0 | -13.64 | -13.45 | see graph | PASS |
| 48 | 30 | 10 | 637000 | 3555.0 | CP-OFDM 16 QAM | 24@0 | -13.5 | -12.89 | see graph | PASS |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM QPSK | 1@0 | -11.05 | -14.56 | see graph | PASS |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@0 | -8.0 | -13.79 | see graph | PASS |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM QPSK | 1@23 | -13.91 | -9.77 | see graph | PASS |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@23 | -16.28 | -12.02 | see graph | PASS |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM QPSK | 24@0 | -12.24 | -11.94 | see graph | PASS |
| 48 | 30 | 10 | 641666 | 3624.99 | CP-OFDM 16 QAM | 24@0 | -11.8 | -11.87 | see graph | PASS |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM QPSK | 1@0 | -9.79 | -13.11 | see graph | PASS |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM 16 QAM | 1@0 | -8.53 | -13.02 | see graph | PASS |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM QPSK | 1@23 | -13.67 | -9.39 | see graph | PASS |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM 16 QAM | 1@23 | -13.1 | -9.71 | see graph | PASS |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM QPSK | 24@0 | -10.82 | -10.78 | see graph | PASS |
| 48 | 30 | 10 | 646332 | 3694.98 | CP-OFDM 16 QAM | 24@0 | -10.98 | -10.84 | see graph | PASS |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM QPSK | 1@0 | -7.94 | -15.3 | see graph | PASS |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM 16 QAM | 1@0 | -6.54 | -15.23 | see graph | PASS |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM QPSK | 1@37 | -15.83 | -8.99 | see graph | PASS |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM 16 QAM | 1@37 | -15.5 | -8.28 | see graph | PASS |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM QPSK | 38@0 | -13.01 | -13.07 | see graph | PASS |
| 48 | 30 | 15 | 637168 | 3557.52 | CP-OFDM 16 QAM | 38@0 | -12.96 | -12.88 | see graph | PASS |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM QPSK | 1@0 | -5.54 | -11.28 | see graph | PASS |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@0 | -6.81 | -12.36 | see graph | PASS |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM QPSK | 1@37 | -14.19 | -8.13 | see graph | PASS |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@37 | -11.18 | -6.58 | see graph | PASS |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM QPSK | 38@0 | -11.29 | -11.14 | see graph | PASS |
| 48 | 30 | 15 | 641666 | 3624.99 | CP-OFDM 16 QAM | 38@0 | -11.15 | -10.93 | see graph | PASS |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM QPSK | 1@0 | -6.73 | -11.04 | see graph | PASS |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM 16 QAM | 1@0 | -6.92 | -11.71 | see graph | PASS |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM QPSK | 1@37 | -11.48 | -7.98 | see graph | PASS |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM 16 QAM | 1@37 | -11.31 | -6.48 | see graph | PASS |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM QPSK | 38@0 | -10.13 | -9.89 | see graph | PASS |
| 48 | 30 | 15 | 646166 | 3692.49 | CP-OFDM 16 QAM | 38@0 | -9.94 | -9.88 | see graph | PASS |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM QPSK | 1@0 | -10.79 | -14.68 | see graph | PASS |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM 16 QAM | 1@0 | -9.59 | -13.7 | see graph | PASS |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM QPSK | 1@50 | -13.95 | -9.96 | see graph | PASS |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM 16 QAM | 1@50 | -14.84 | -11.02 | see graph | PASS |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM QPSK | 51@0 | -12.82 | -12.77 | see graph | PASS |
| 48 | 30 | 20 | 637334 | 3560.01 | CP-OFDM 16 QAM | 51@0 | -12.55 | -12.63 | see graph | PASS |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 1@0 | -9.08 | -11.32 | see graph | PASS |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@0 | -8.75 | -11.56 | see graph | PASS |
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| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@50 | -11.63 | -9.6 | see graph | PASS |
| 48 | 30 | 20 | 641666 | 3624.99 | CP-OFDM QPSK | 51@0 | -10.46 | -10.28 | see graph | PASS |



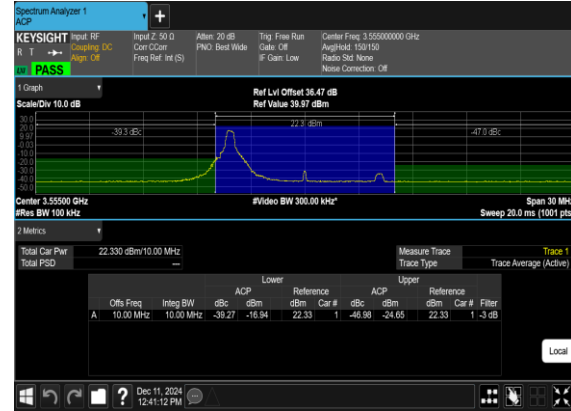
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|----|----|----|--------|---------|----------------|-------|--------|--------|-----------|------|
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| 48 | 30 | 20 | 646000 | 3690.0 | CP-OFDM QPSK | 1@50 | -9.74 | -7.79 | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0 | CP-OFDM 16 QAM | 1@50 | -10.88 | -8.94 | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0 | CP-OFDM QPSK | 51@0 | -9.54 | -9.22 | see graph | PASS |
| 48 | 30 | 20 | 646000 | 3690.0 | CP-OFDM 16 QAM | 51@0 | -9.42 | -9.05 | see graph | PASS |
| 48 | 30 | 30 | 637668 | 3565.02 | CP-OFDM QPSK | 1@0 | -8.29 | -8.86 | see graph | PASS |
| 48 | 30 | 30 | 637668 | 3565.02 | CP-OFDM 16 QAM | 1@0 | -6.5 | -6.78 | see graph | PASS |
| 48 | 30 | 30 | 637668 | 3565.02 | CP-OFDM QPSK | 1@77 | -12.09 | -10.53 | see graph | PASS |
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| 48 | 30 | 30 | 637668 | 3565.02 | CP-OFDM 16 QAM | 78@0 | -9.5 | -9.34 | see graph | PASS |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM QPSK | 1@0 | -8.42 | -8.59 | see graph | PASS |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@0 | -8.6 | -8.96 | see graph | PASS |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM QPSK | 1@77 | -9.54 | -8.22 | see graph | PASS |
| 48 | 30 | 30 | 641666 | 3624.99 | CP-OFDM 16 QAM | 1@77 | -8.94 | -7.63 | see graph | PASS |
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| 48 | 30 | 30 | 645666 | 3684.99 | CP-OFDM QPSK | 1@0 | -7.74 | -7.73 | see graph | PASS |
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| 48 | 30 | 30 | 645666 | 3684.99 | CP-OFDM QPSK | 1@77 | -10.41 | -9.02 | see graph | PASS |
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| 48 | 30 | 30 | 645666 | 3684.99 | CP-OFDM QPSK | 78@0 | -8.37 | -7.59 | see graph | PASS |
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| 48 | 30 | 40 | 638000 | 3570.0 | CP-OFDM QPSK | 1@0 | -7.27 | -7.49 | see graph | PASS |
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| 48 | 30 | 40 | 638000 | 3570.0 | CP-OFDM QPSK | 1@105 | -8.73 | -7.58 | see graph | PASS |
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| 48 | 30 | 40 | 641666 | 3624.99 | CP-OFDM QPSK | 1@0 | -6.8 | -6.56 | see graph | PASS |
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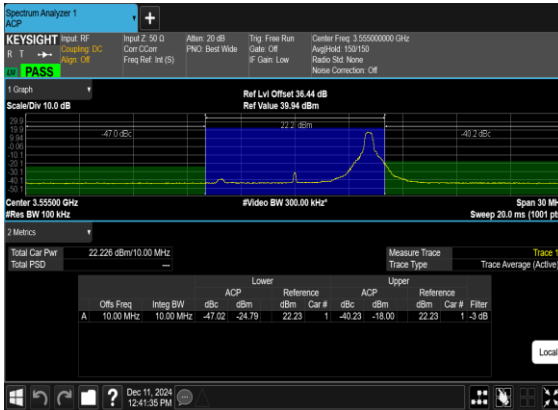
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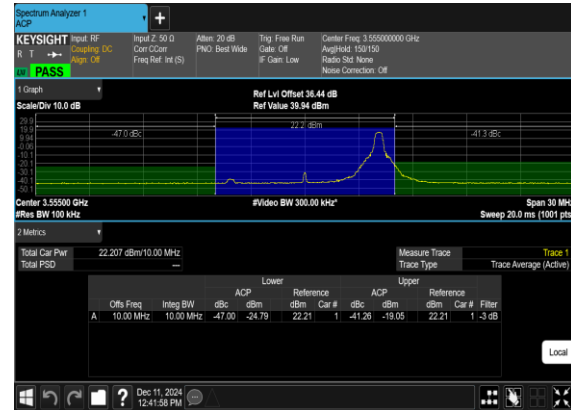
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N48(10M)_CP-OFDM_QPSK_Edge_1RB_Right_Low_CH

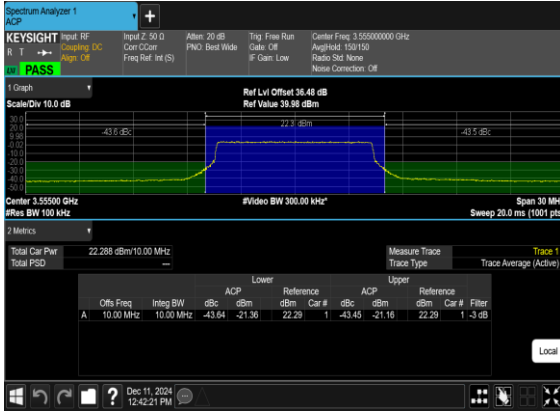


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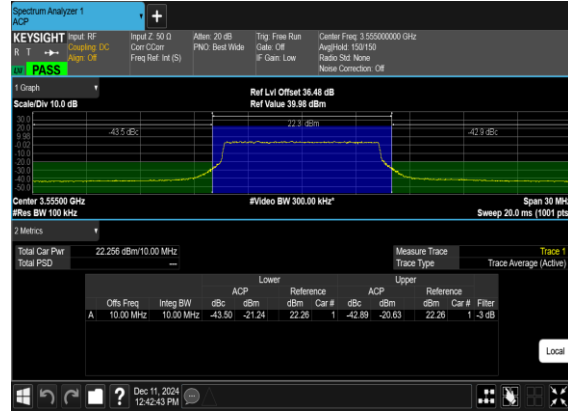




N48(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N48(10M)_CP-OFDM_16QAM_Outer_Full_Low_CH



N48(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(10M)_CP-OFDM_16QAM_Edge_1RB_Left_Mid_CH





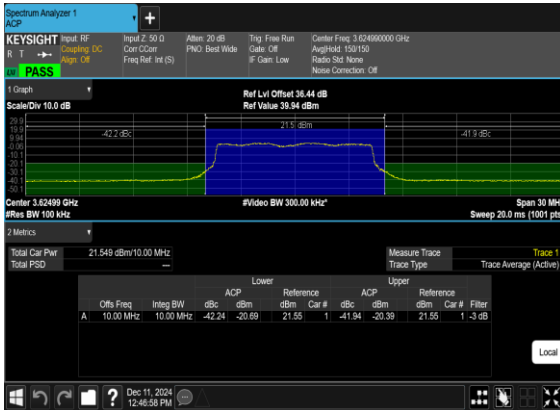
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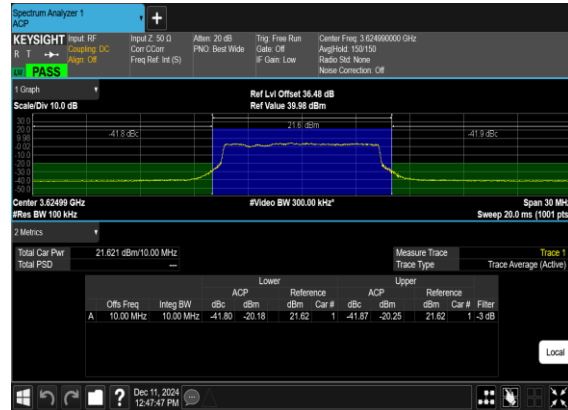
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N48(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

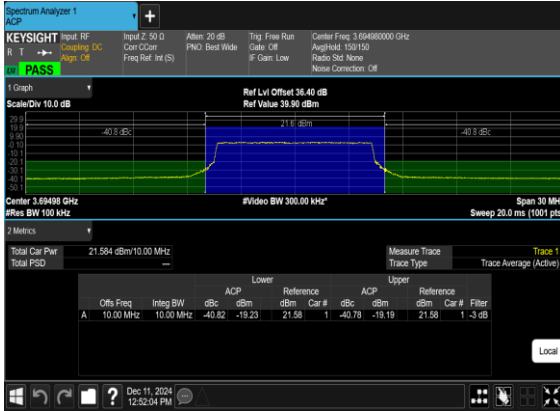


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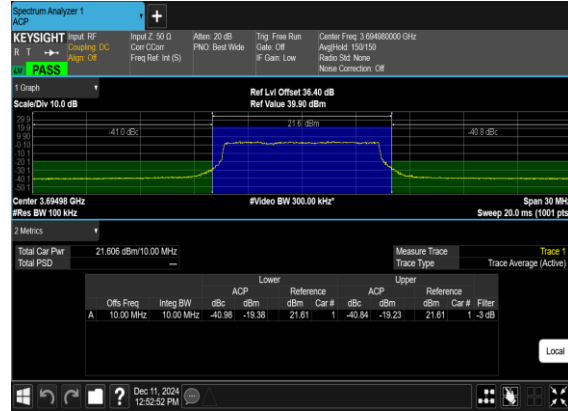




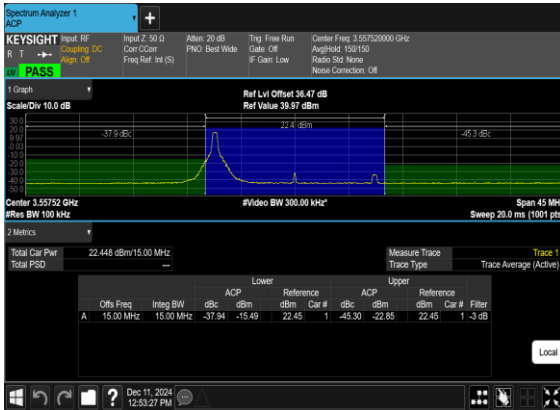
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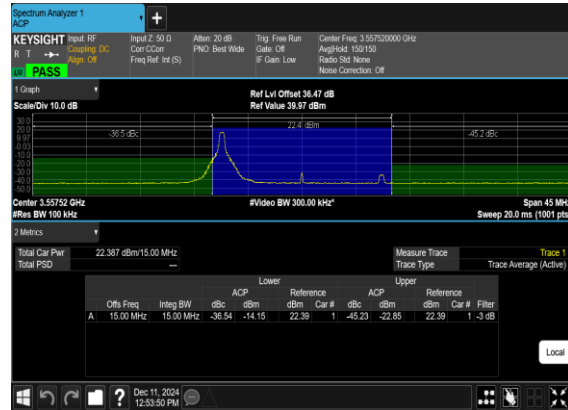
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N48(15M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

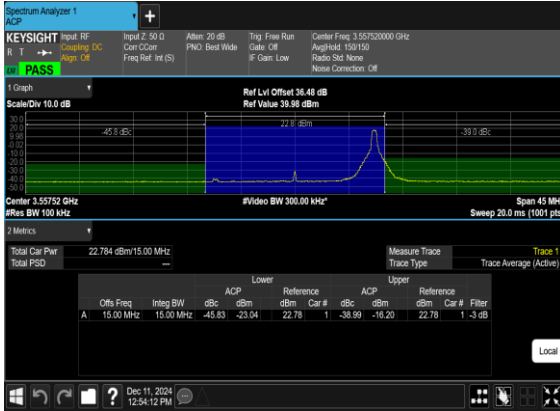


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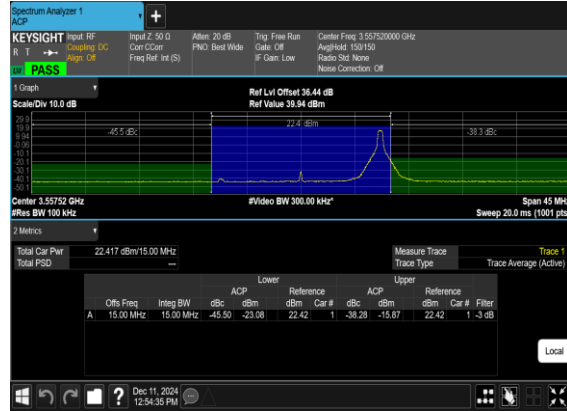




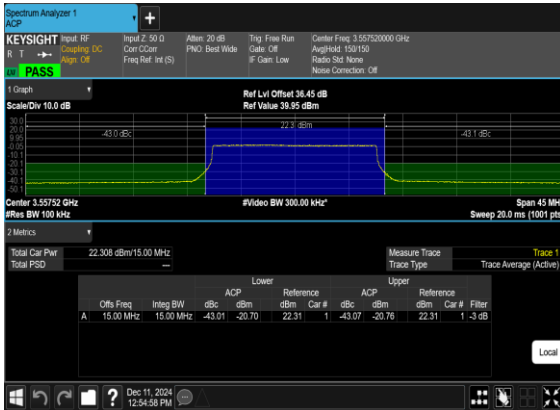
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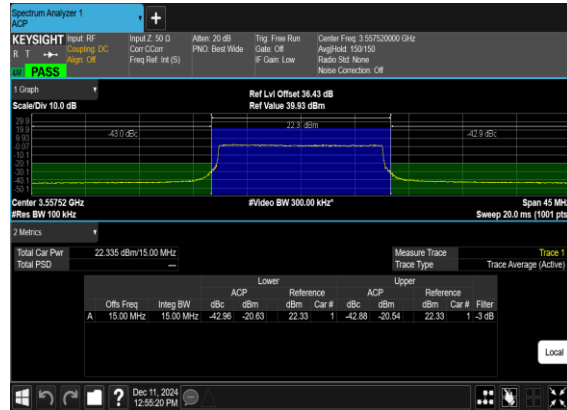
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N48(15M)_CP-OFDM_QPSK_Outer_Full_Low_CH

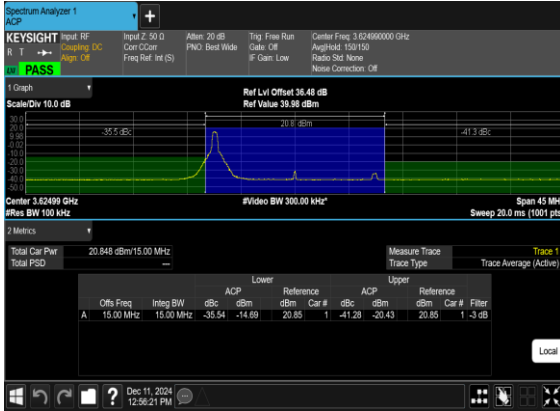


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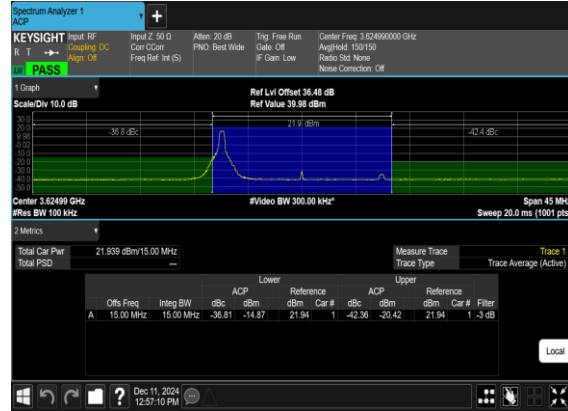




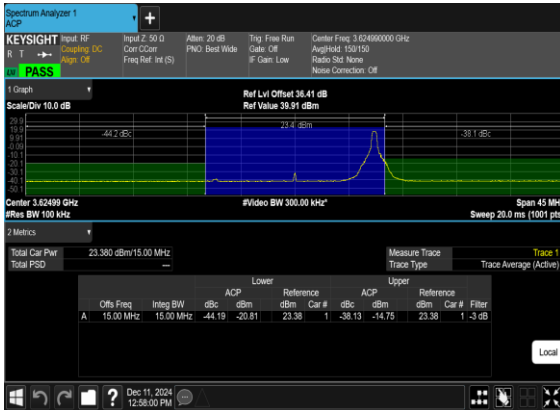
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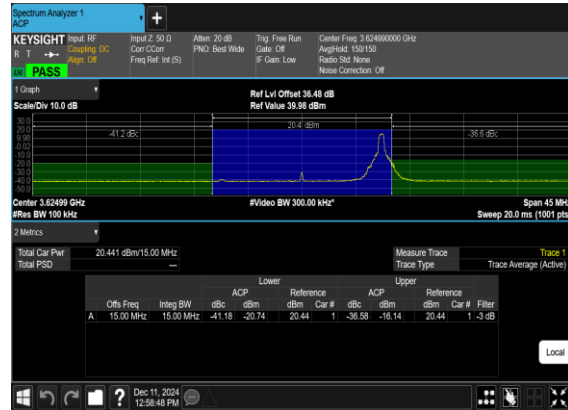
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N48(15M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH

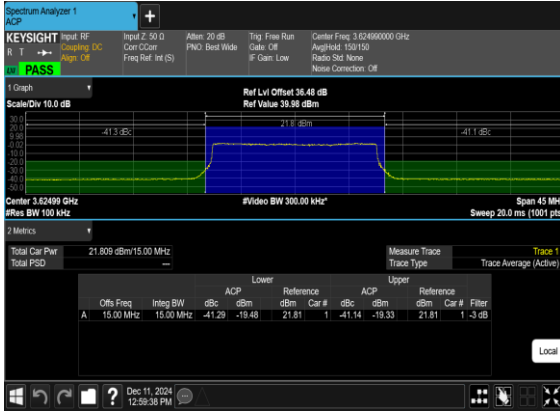


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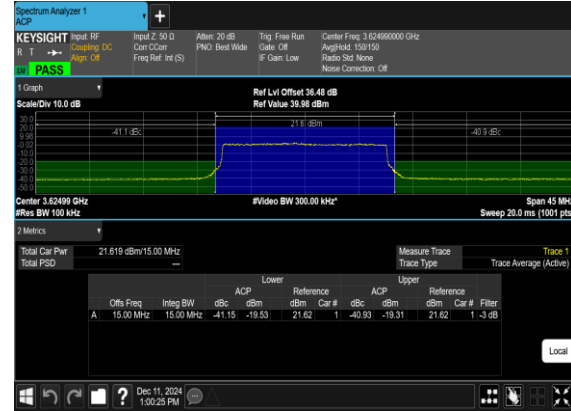




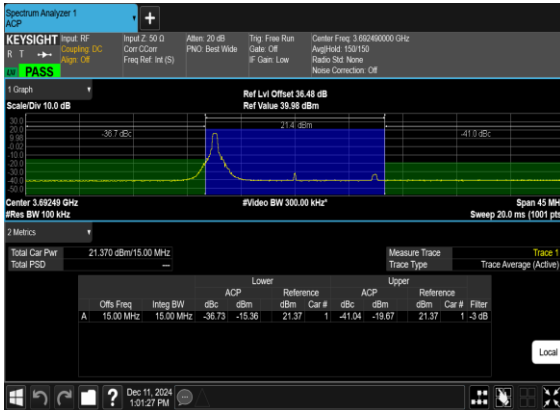
N48(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N48(15M)_CP-OFDM_16QAM_Edge_1RB_Left_High_CH





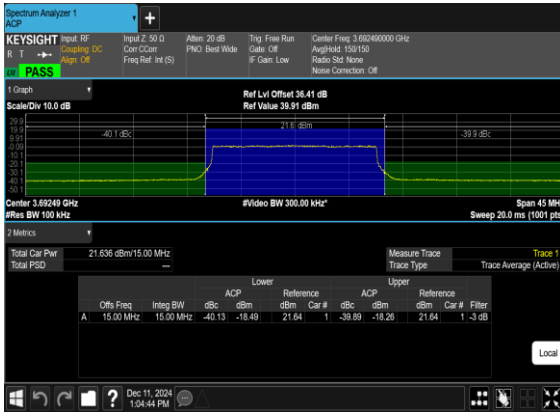
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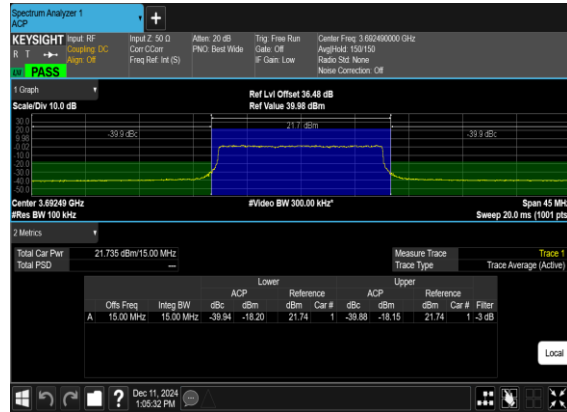
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N48(15M)_CP-OFDM_QPSK_Outer_Full_High_CH

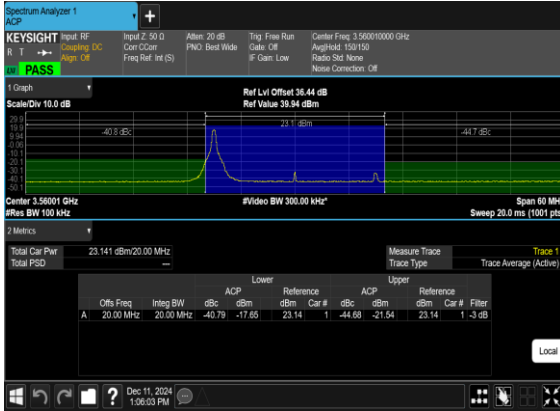


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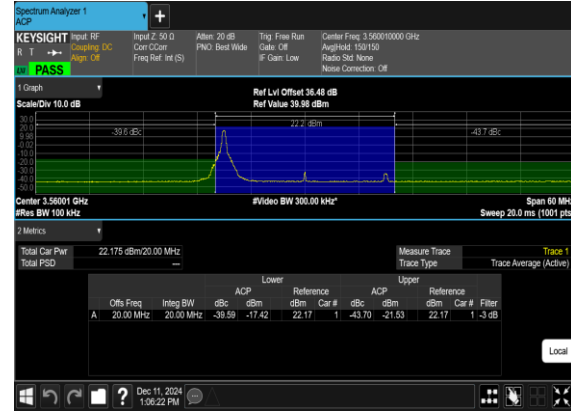




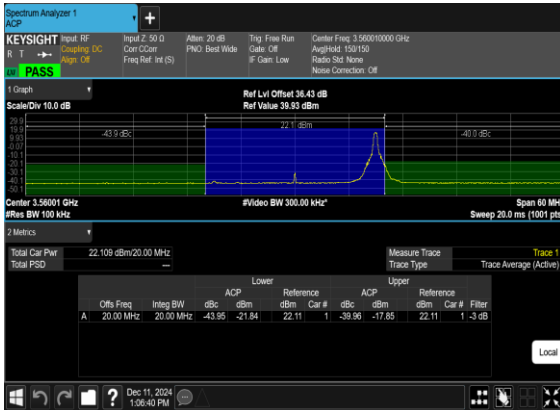
N48(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



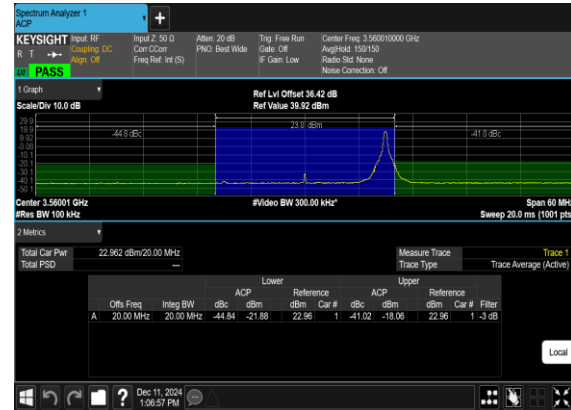
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH



N48(20M)_CP-OFDM_QPSK_Edge_1RB_Right_Low_CH

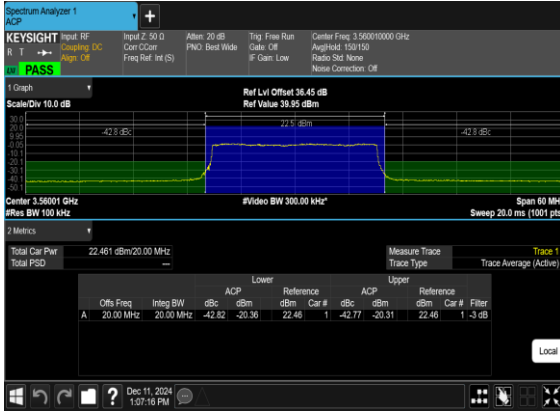


N48(20M)_CP-OFDM_16QAM_Edge_1RB_Right_Low_CH

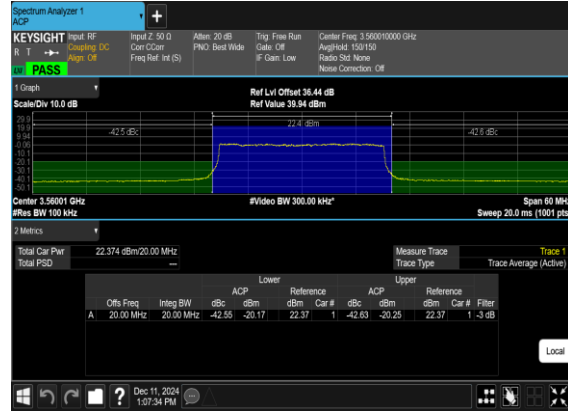




N48(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N48(20M)_CP-OFDM_16QAM_Outer_Full_Low_CH



N48(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH

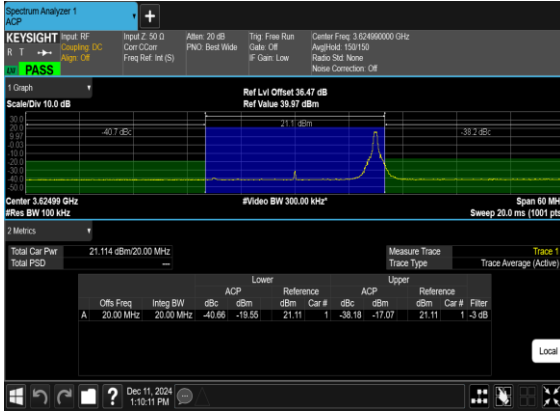


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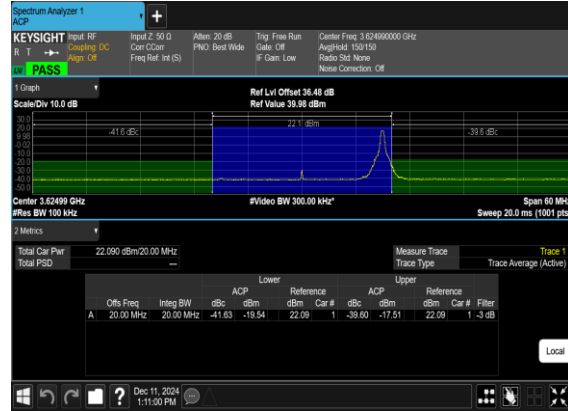




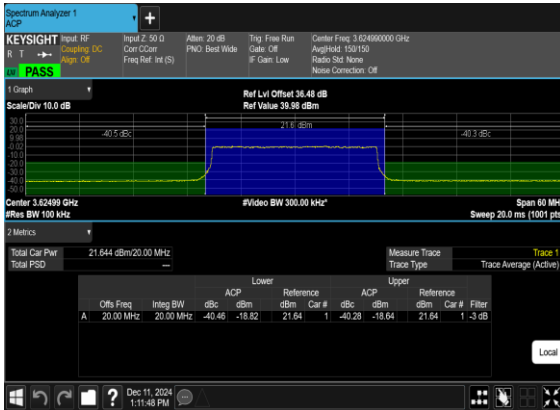
N48(20M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH



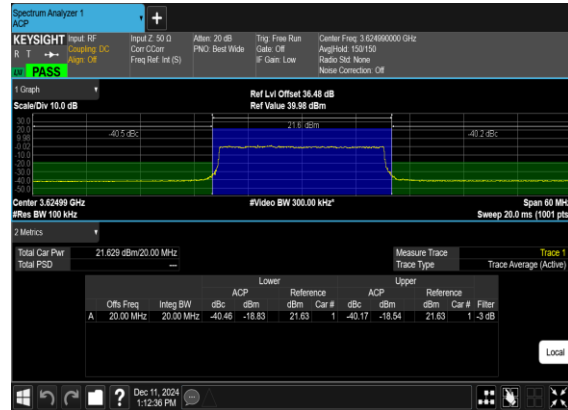
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Right_Mid_CH



N48(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

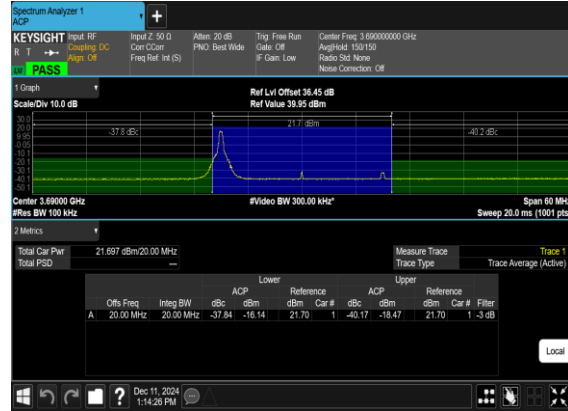




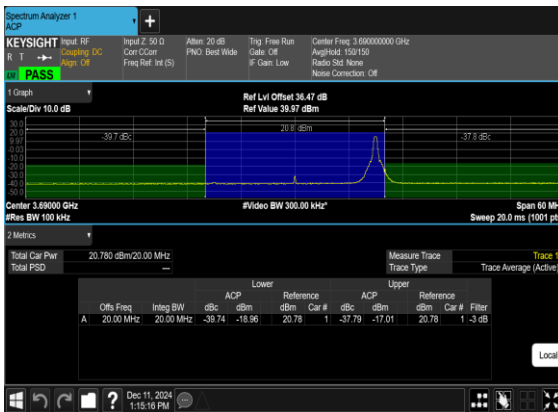
N48(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



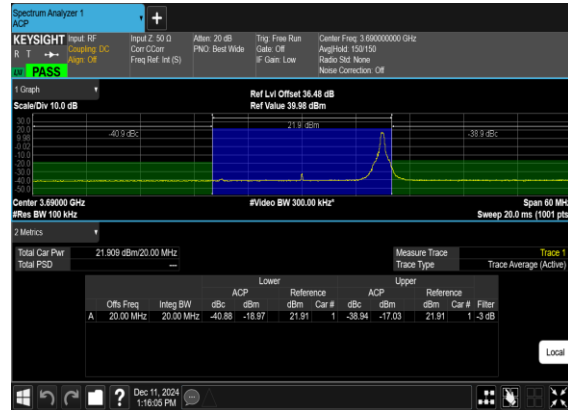
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Left_High_CH



N48(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

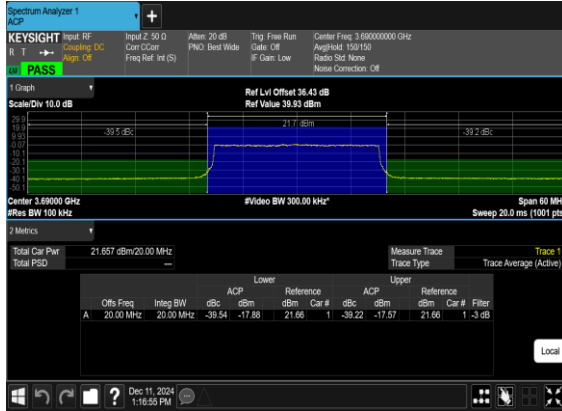


N48(20M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH

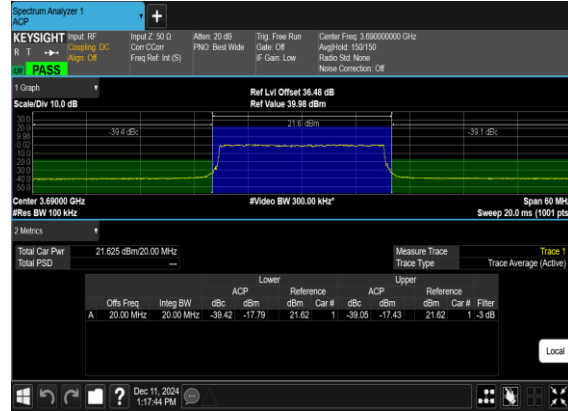




N48(20M)_CP-OFDM_QPSK_Outer_Full_High_CH



N48(20M)_CP-OFDM_16QAM_Outer_Full_High_CH



N48(30M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(30M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH

