

N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



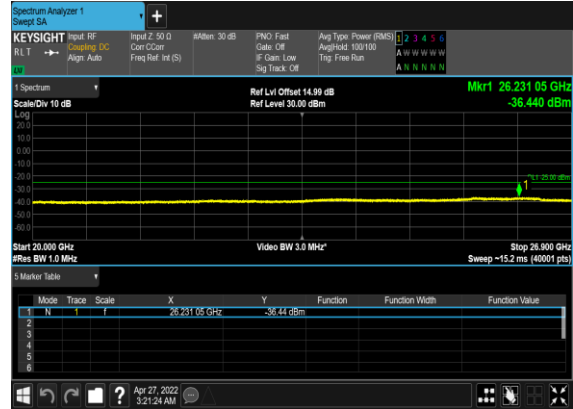
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



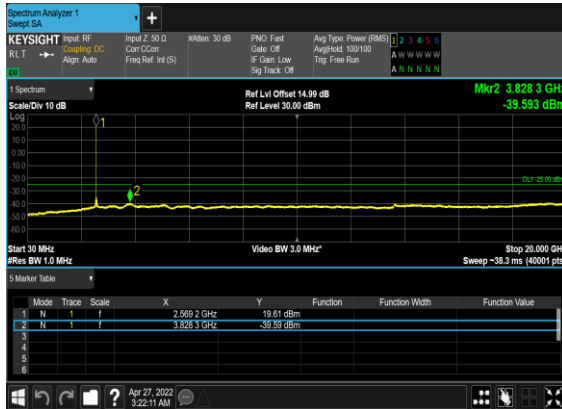
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



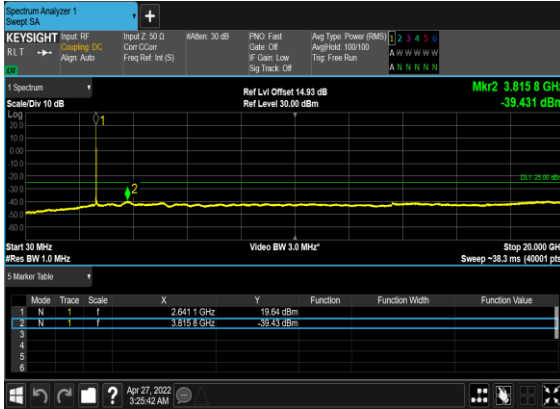
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



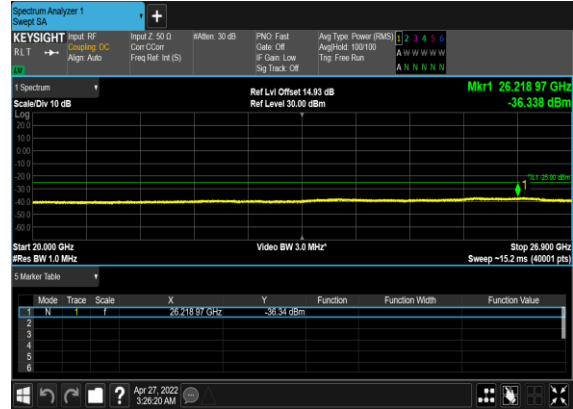
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



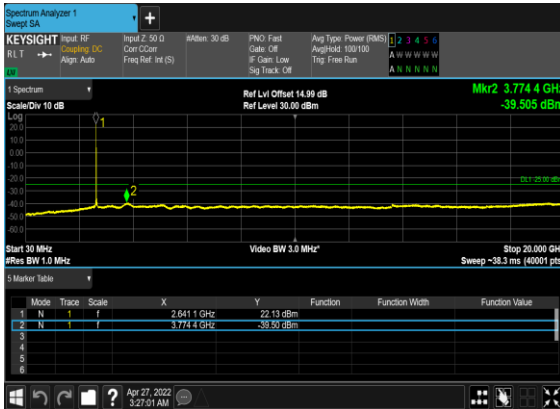
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



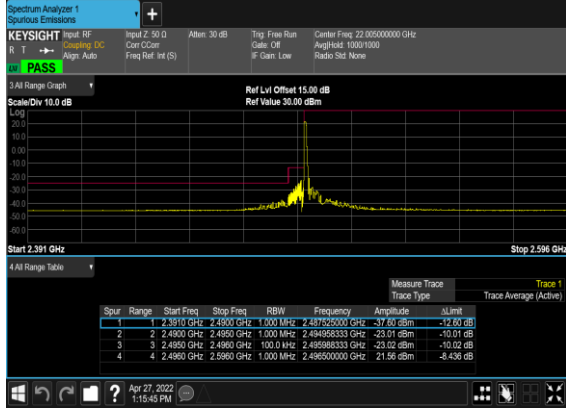
Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 41 | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM BPSK | 50@0 | see graph | PASS |
| 41 | 15 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 50@0 | see graph | PASS |
| 41 | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM BPSK | 1@51 | see graph | PASS |
| 41 | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM QPSK | 1@51 | see graph | PASS |
| 41 | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM BPSK | 50@0 | see graph | PASS |
| 41 | 15 | 10 | 537000 | 2685.0 | DFT-s-OFDM QPSK | 50@0 | see graph | PASS |
| 41 | 15 | 30 | 502200 | 2511.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 15 | 30 | 502200 | 2511.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 15 | 30 | 502200 | 2511.0 | DFT-s-OFDM BPSK | 160@0 | see graph | PASS |
| 41 | 15 | 30 | 502200 | 2511.0 | DFT-s-OFDM QPSK | 160@0 | see graph | PASS |
| 41 | 15 | 30 | 534999 | 2674.995 | DFT-s-OFDM BPSK | 1@159 | see graph | PASS |
| 41 | 15 | 30 | 534999 | 2674.995 | DFT-s-OFDM QPSK | 1@159 | see graph | PASS |
| 41 | 15 | 30 | 534999 | 2674.995 | DFT-s-OFDM BPSK | 160@0 | see graph | PASS |
| 41 | 15 | 30 | 534999 | 2674.995 | DFT-s-OFDM QPSK | 160@0 | see graph | PASS |
| 41 | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 41 | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 41 | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 41 | 15 | 50 | 504201 | 2521.005 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 41 | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM BPSK | 1@269 | see graph | PASS |
| 41 | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@269 | see graph | PASS |
| 41 | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 41 | 15 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |

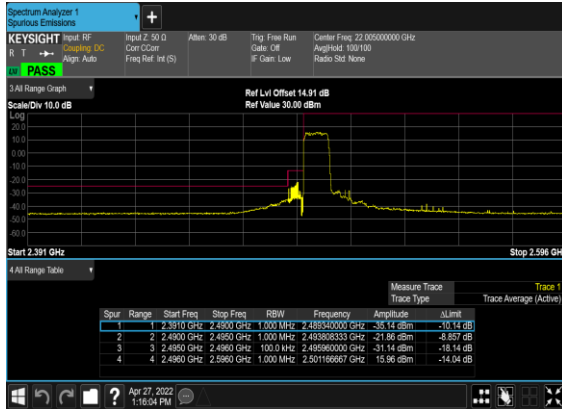
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



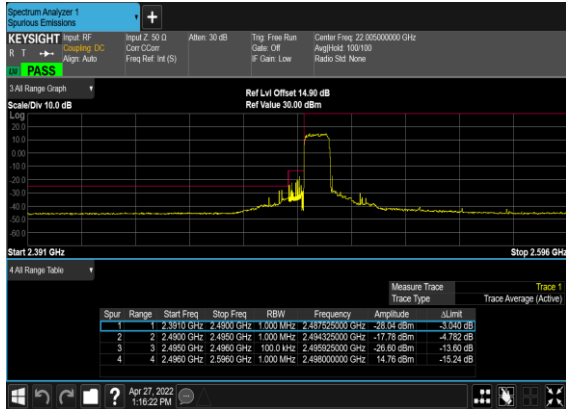
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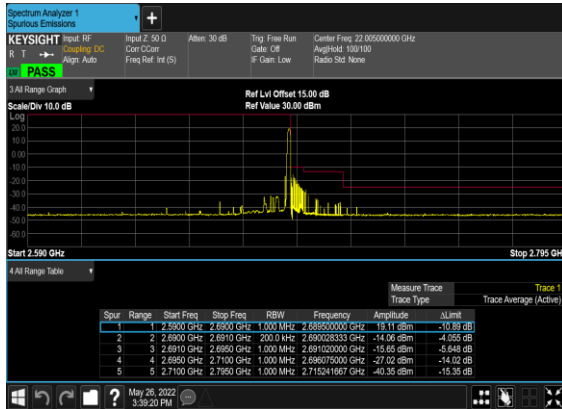
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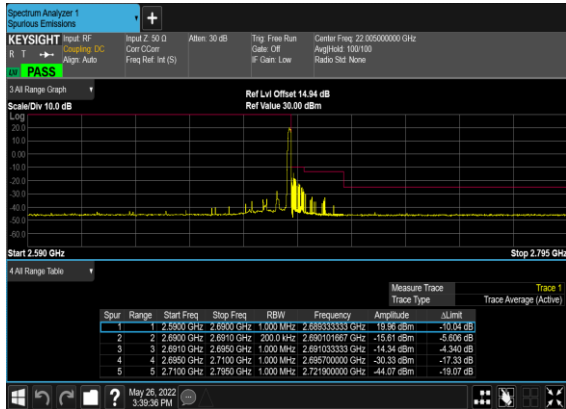
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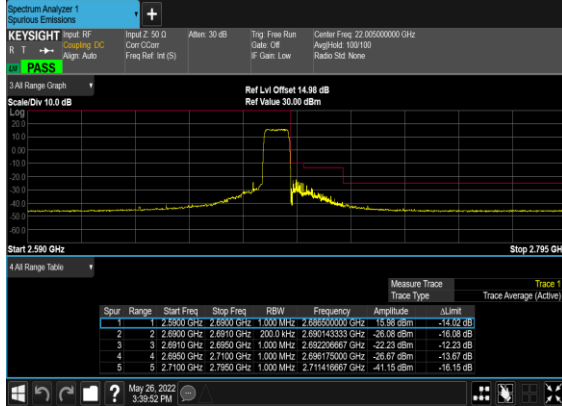
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



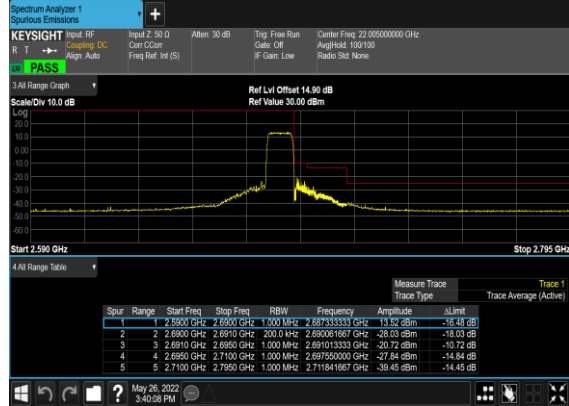
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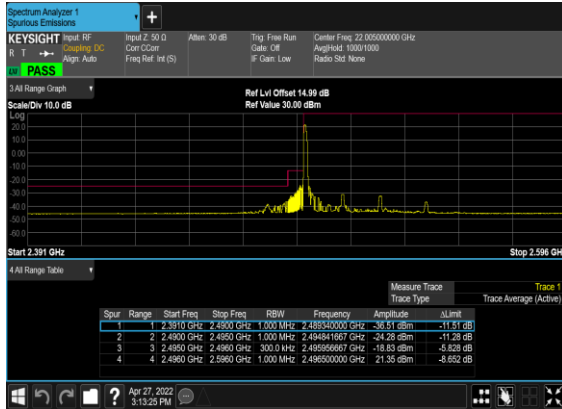
N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



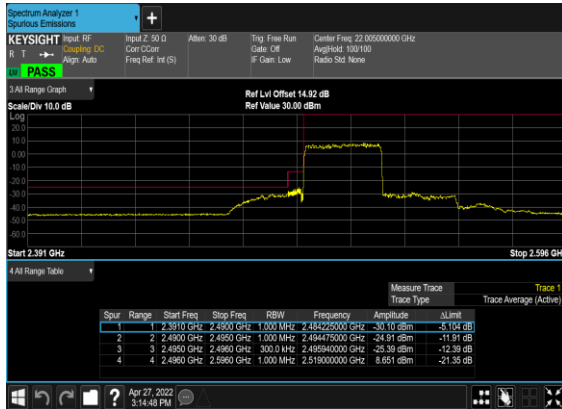
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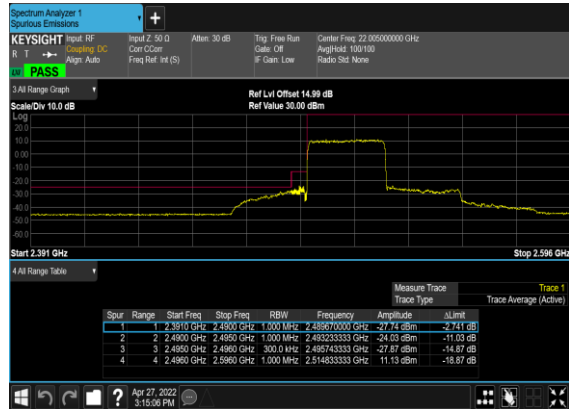
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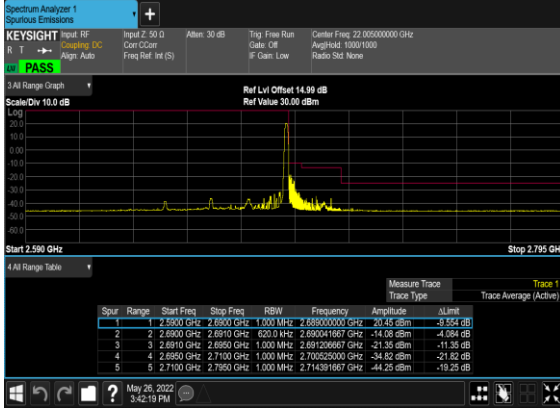
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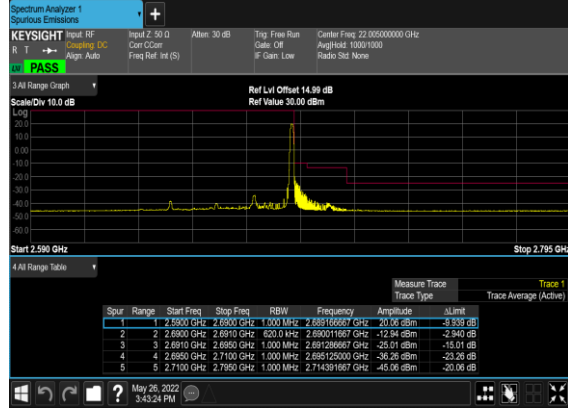
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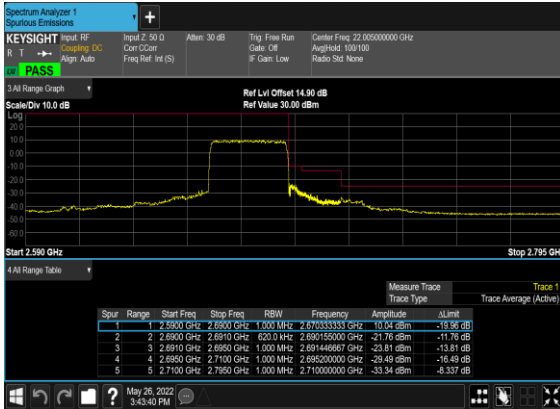
N41(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



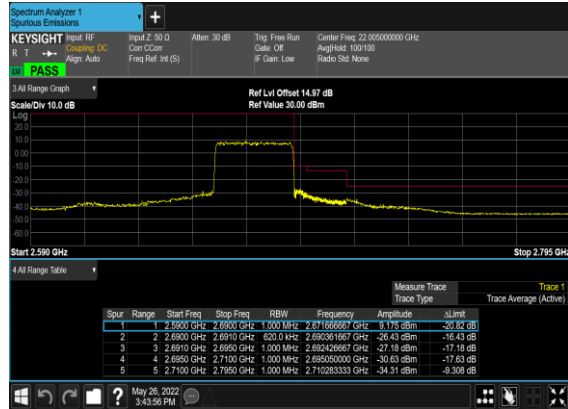
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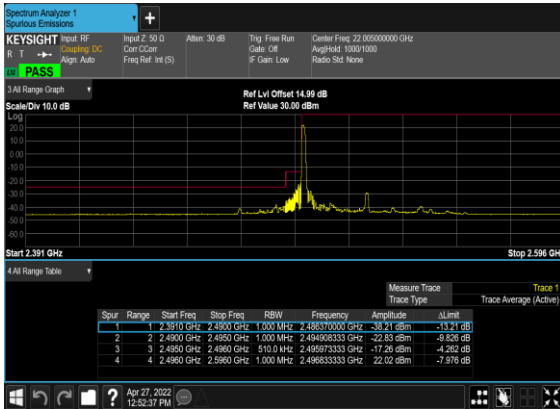
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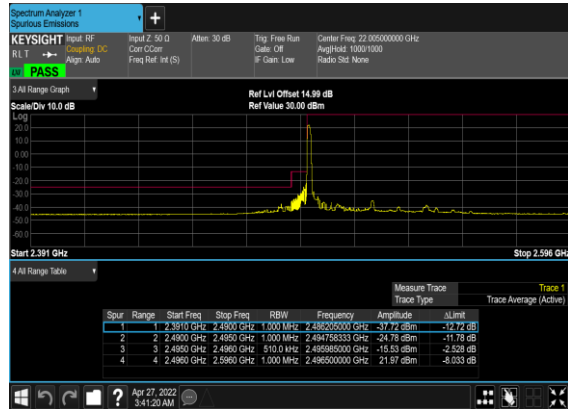
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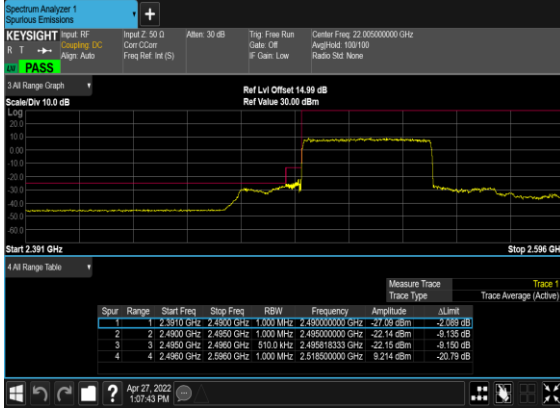
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



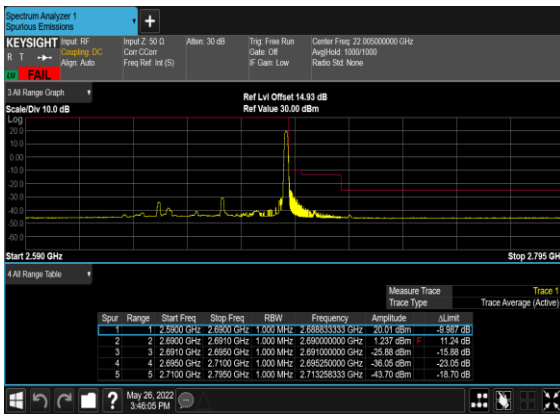
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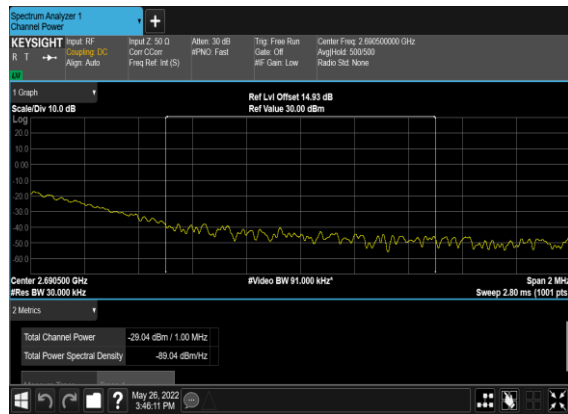
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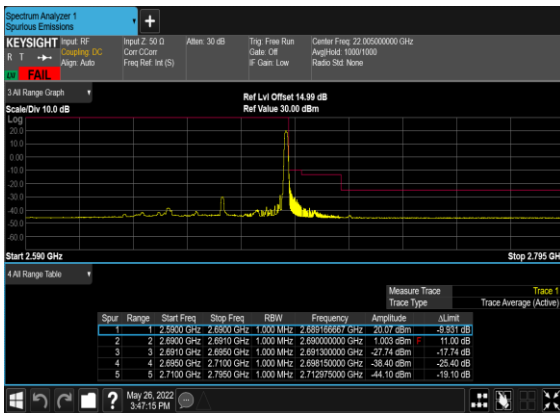
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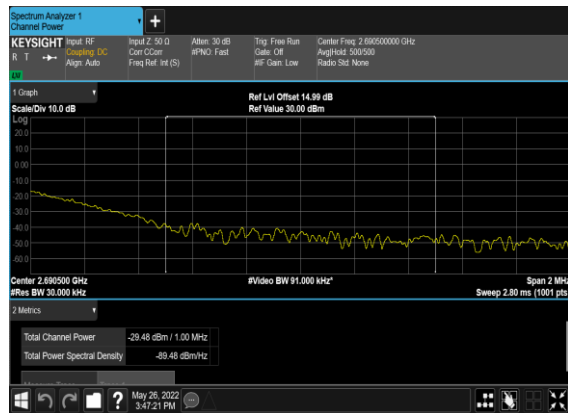
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



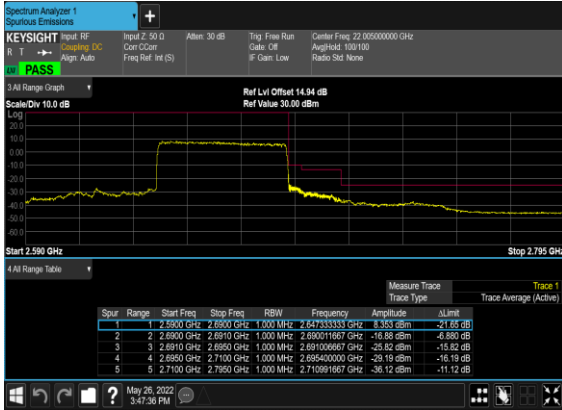
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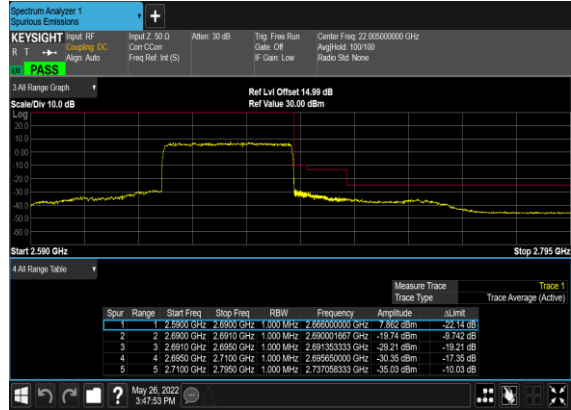
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N41- SCS 30KHz (ANT 6)

Transmitter Conducted Output Power and ERP/EIRP, ($G_T - L_C$) = -5.4dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Conducted Power (dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|-------------------------|------|-----------------------|------------|----------|
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM PI/2 BPSK | 12@6 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.54 | 20.14 | 0.1033 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM PI/2 BPSK | 1@22 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 12@6 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@1 | 25.53 | 20.13 | 0.1030 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM QPSK | 1@22 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 16 QAM | 12@6 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 16 QAM | 1@1 | 25.74 | 20.34 | 0.1081 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 16 QAM | 1@22 | 25.96 | 20.56 | 0.1138 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 64 QAM | 12@6 | 24.65 | 19.25 | 0.0841 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 64 QAM | 1@1 | 24.82 | 19.42 | 0.0875 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 64 QAM | 1@22 | 24.67 | 19.27 | 0.0845 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 256 QAM | 12@6 | 21.25 | 15.85 | 0.0385 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.27 | 15.87 | 0.0386 |
| 41 | 30 | 10 | 500202 | 2501.01 | DFT-s-OFDM 256 QAM | 1@22 | 21.24 | 15.84 | 0.0384 |
| 41 | 30 | 10 | 500202 | 2501.01 | CP-OFDM QPSK | 12@6 | 25.79 | 20.39 | 0.1094 |
| 41 | 30 | 10 | 500202 | 2501.01 | CP-OFDM QPSK | 1@1 | 25.48 | 20.08 | 0.1019 |
| 41 | 30 | 10 | 500202 | 2501.01 | CP-OFDM QPSK | 1@22 | 25.62 | 20.22 | 0.1052 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 12@6 | 25.78 | 20.38 | 0.1091 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.72 | 20.32 | 0.1076 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@22 | 25.66 | 20.26 | 0.1062 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 12@6 | 25.69 | 20.29 | 0.1069 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.7 | 20.3 | 0.1072 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@22 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 12@6 | 25.75 | 20.35 | 0.1084 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.92 | 20.52 | 0.1127 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@22 | 25.95 | 20.55 | 0.1135 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 12@6 | 24.68 | 19.28 | 0.0847 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.7 | 19.3 | 0.0851 |

| | | | | | | | | | |
|----|----|----|--------|---------|-------------------------|------|-------|-------|--------|
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@22 | 24.7 | 19.3 | 0.0851 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 12@6 | 21.28 | 15.88 | 0.0387 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.16 | 15.76 | 0.0377 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@22 | 21.18 | 15.78 | 0.0378 |
| 41 | 30 | 10 | 518598 | 2592.99 | CP-OFDM QPSK | 12@6 | 25.99 | 20.59 | 0.1146 |
| 41 | 30 | 10 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 10 | 518598 | 2592.99 | CP-OFDM QPSK | 1@22 | 25.74 | 20.34 | 0.1081 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM PI/2 BPSK | 12@6 | 26.16 | 20.76 | 0.1191 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM PI/2 BPSK | 1@1 | 26.03 | 20.63 | 0.1156 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM PI/2 BPSK | 1@22 | 25.79 | 20.39 | 0.1094 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM QPSK | 12@6 | 26.13 | 20.73 | 0.1183 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM QPSK | 1@1 | 26.01 | 20.61 | 0.1151 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM QPSK | 1@22 | 25.88 | 20.48 | 0.1117 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 16 QAM | 12@6 | 26.1 | 20.7 | 0.1175 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 16 QAM | 1@1 | 26.26 | 20.86 | 0.1219 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 16 QAM | 1@22 | 25.96 | 20.56 | 0.1138 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 64 QAM | 12@6 | 25.05 | 19.65 | 0.0923 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 64 QAM | 1@1 | 25.15 | 19.75 | 0.0944 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 64 QAM | 1@22 | 24.84 | 19.44 | 0.0879 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 256 QAM | 12@6 | 21.71 | 16.31 | 0.0428 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 256 QAM | 1@1 | 21.69 | 16.29 | 0.0426 |
| 41 | 30 | 10 | 537000 | 2685 | DFT-s-OFDM 256 QAM | 1@22 | 21.67 | 16.27 | 0.0424 |
| 41 | 30 | 10 | 537000 | 2685 | CP-OFDM QPSK | 12@6 | 26.2 | 20.8 | 0.1202 |
| 41 | 30 | 10 | 537000 | 2685 | CP-OFDM QPSK | 1@1 | 25.86 | 20.46 | 0.1112 |
| 41 | 30 | 10 | 537000 | 2685 | CP-OFDM QPSK | 1@22 | 25.67 | 20.27 | 0.1064 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM PI/2 BPSK | 18@9 | 25.64 | 20.24 | 0.1057 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM PI/2 BPSK | 1@36 | 25.49 | 20.09 | 0.1021 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM QPSK | 18@9 | 25.64 | 20.24 | 0.1057 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM QPSK | 1@1 | 25.54 | 20.14 | 0.1033 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM QPSK | 1@36 | 25.52 | 20.12 | 0.1028 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 16 QAM | 18@9 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 16 QAM | 1@1 | 25.69 | 20.29 | 0.1069 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 16 QAM | 1@36 | 25.88 | 20.48 | 0.1117 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 64 QAM | 18@9 | 24.65 | 19.25 | 0.0841 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 64 QAM | 1@1 | 24.5 | 19.1 | 0.0813 |

| | | | | | | | | | |
|----|----|----|--------|---------|-------------------------|------|-------|-------|--------|
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 64 QAM | 1@36 | 24.76 | 19.36 | 0.0863 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 256 QAM | 18@9 | 21.16 | 15.76 | 0.0377 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 256 QAM | 1@1 | 21.15 | 15.75 | 0.0376 |
| 41 | 30 | 15 | 500700 | 2503.5 | DFT-s-OFDM 256 QAM | 1@36 | 21.06 | 15.66 | 0.0368 |
| 41 | 30 | 15 | 500700 | 2503.5 | CP-OFDM QPSK | 19@9 | 25.7 | 20.3 | 0.1072 |
| 41 | 30 | 15 | 500700 | 2503.5 | CP-OFDM QPSK | 1@1 | 25.38 | 19.98 | 0.0995 |
| 41 | 30 | 15 | 500700 | 2503.5 | CP-OFDM QPSK | 1@36 | 25.51 | 20.11 | 0.1026 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 18@9 | 25.74 | 20.34 | 0.1081 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.63 | 20.23 | 0.1054 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@36 | 25.66 | 20.26 | 0.1062 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 18@9 | 25.6 | 20.2 | 0.1047 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@36 | 25.64 | 20.24 | 0.1057 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 18@9 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.98 | 20.58 | 0.1143 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@36 | 26 | 20.6 | 0.1148 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 18@9 | 24.74 | 19.34 | 0.0859 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.74 | 19.34 | 0.0859 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@36 | 24.72 | 19.32 | 0.0855 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 18@9 | 21.21 | 15.81 | 0.0381 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.14 | 15.74 | 0.0375 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@36 | 21.15 | 15.75 | 0.0376 |
| 41 | 30 | 15 | 518598 | 2592.99 | CP-OFDM QPSK | 19@9 | 25.74 | 20.34 | 0.1081 |
| 41 | 30 | 15 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 25.54 | 20.14 | 0.1033 |
| 41 | 30 | 15 | 518598 | 2592.99 | CP-OFDM QPSK | 1@36 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM PI/2 BPSK | 18@9 | 26.13 | 20.73 | 0.1183 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM PI/2 BPSK | 1@1 | 26.03 | 20.63 | 0.1156 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM PI/2 BPSK | 1@36 | 25.77 | 20.37 | 0.1089 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM QPSK | 18@9 | 26.06 | 20.66 | 0.1164 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM QPSK | 1@1 | 26 | 20.6 | 0.1148 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM QPSK | 1@36 | 25.9 | 20.5 | 0.1122 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 16 QAM | 18@9 | 25.96 | 20.56 | 0.1138 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 16 QAM | 1@1 | 26.38 | 20.98 | 0.1253 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 16 QAM | 1@36 | 25.98 | 20.58 | 0.1143 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 64 QAM | 18@9 | 25.16 | 19.76 | 0.0946 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 64 QAM | 1@1 | 25.09 | 19.69 | 0.0931 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 64 QAM | 1@36 | 24.98 | 19.58 | 0.0908 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 256 QAM | 18@9 | 21.55 | 16.15 | 0.0412 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 256 QAM | 1@1 | 21.47 | 16.07 | 0.0405 |
| 41 | 30 | 15 | 536496 | 2682.48 | DFT-s-OFDM 256 QAM | 1@36 | 21.73 | 16.33 | 0.0430 |
| 41 | 30 | 15 | 536496 | 2682.48 | CP-OFDM QPSK | 19@9 | 26.18 | 20.78 | 0.1197 |
| 41 | 30 | 15 | 536496 | 2682.48 | CP-OFDM QPSK | 1@1 | 25.71 | 20.31 | 0.1074 |
| 41 | 30 | 15 | 536496 | 2682.48 | CP-OFDM QPSK | 1@36 | 25.51 | 20.11 | 0.1026 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM PI/2 BPSK | 25@12 | 25.53 | 20.13 | 0.1030 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.44 | 20.04 | 0.1009 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM PI/2 BPSK | 1@49 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM QPSK | 25@12 | 25.24 | 19.84 | 0.0964 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM QPSK | 1@1 | 25.5 | 20.1 | 0.1023 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM QPSK | 1@49 | 25.37 | 19.97 | 0.0993 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 16 QAM | 25@12 | 25.44 | 20.04 | 0.1009 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 16 QAM | 1@1 | 25.69 | 20.29 | 0.1069 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 16 QAM | 1@49 | 25.65 | 20.25 | 0.1059 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 64 QAM | 25@12 | 24.51 | 19.11 | 0.0815 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 64 QAM | 1@1 | 24.58 | 19.18 | 0.0828 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 64 QAM | 1@49 | 24.49 | 19.09 | 0.0811 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 256 QAM | 25@12 | 21 | 15.6 | 0.0363 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 256 QAM | 1@1 | 21.23 | 15.83 | 0.0383 |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM 256 QAM | 1@49 | 21.01 | 15.61 | 0.0364 |
| 41 | 30 | 20 | 501204 | 2506.02 | CP-OFDM QPSK | 25@12 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 20 | 501204 | 2506.02 | CP-OFDM QPSK | 1@1 | 25.4 | 20 | 0.1000 |
| 41 | 30 | 20 | 501204 | 2506.02 | CP-OFDM QPSK | 1@49 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 25@12 | 25.67 | 20.27 | 0.1064 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@49 | 25.62 | 20.22 | 0.1052 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 25@12 | 25.62 | 20.22 | 0.1052 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@49 | 25.62 | 20.22 | 0.1052 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 25@12 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.97 | 20.57 | 0.1140 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@49 | 25.96 | 20.56 | 0.1138 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 25@12 | 24.63 | 19.23 | 0.0838 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.42 | 19.02 | 0.0798 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@49 | 24.83 | 19.43 | 0.0877 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 25@12 | 21.11 | 15.71 | 0.0372 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.07 | 15.67 | 0.0369 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@49 | 21.22 | 15.82 | 0.0382 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK | 25@12 | 25.66 | 20.26 | 0.1062 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 25.59 | 20.19 | 0.1045 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK | 1@49 | 25.75 | 20.35 | 0.1084 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 25@12 | 26.06 | 20.66 | 0.1164 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.78 | 20.38 | 0.1091 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 1@49 | 25.83 | 20.43 | 0.1104 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 25@12 | 25.99 | 20.59 | 0.1146 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@1 | 25.82 | 20.42 | 0.1102 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@49 | 25.88 | 20.48 | 0.1117 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 16 QAM | 25@12 | 25.97 | 20.57 | 0.1140 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 16 QAM | 1@1 | 26.13 | 20.73 | 0.1183 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 16 QAM | 1@49 | 26 | 20.6 | 0.1148 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 64 QAM | 25@12 | 25.01 | 19.61 | 0.0914 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 64 QAM | 1@1 | 25.03 | 19.63 | 0.0918 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 64 QAM | 1@49 | 25.02 | 19.62 | 0.0916 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 256 QAM | 25@12 | 21.55 | 16.15 | 0.0412 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.53 | 16.13 | 0.0410 |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM 256 QAM | 1@49 | 21.89 | 16.49 | 0.0446 |
| 41 | 30 | 20 | 535998 | 2679.99 | CP-OFDM QPSK | 25@12 | 26.18 | 20.78 | 0.1197 |
| 41 | 30 | 20 | 535998 | 2679.99 | CP-OFDM QPSK | 1@1 | 26.1 | 20.7 | 0.1175 |
| 41 | 30 | 20 | 535998 | 2679.99 | CP-OFDM QPSK | 1@49 | 25.74 | 20.34 | 0.1081 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.28 | 19.88 | 0.0973 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM PI/2 BPSK | 1@76 | 25.12 | 19.72 | 0.0938 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM QPSK | 36@18 | 25.23 | 19.83 | 0.0962 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM QPSK | 1@1 | 25.34 | 19.94 | 0.0986 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM QPSK | 1@76 | 25.23 | 19.83 | 0.0962 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 16 QAM | 36@18 | 25.24 | 19.84 | 0.0964 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 16 QAM | 1@1 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 16 QAM | 1@76 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 64 QAM | 36@18 | 24.25 | 18.85 | 0.0767 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 64 QAM | 1@1 | 24.27 | 18.87 | 0.0771 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 64 QAM | 1@76 | 24.24 | 18.84 | 0.0766 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 256 QAM | 36@18 | 20.69 | 15.29 | 0.0338 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 256 QAM | 1@1 | 20.9 | 15.5 | 0.0355 |
| 41 | 30 | 30 | 502200 | 2511 | DFT-s-OFDM 256 QAM | 1@76 | 20.6 | 15.2 | 0.0331 |
| 41 | 30 | 30 | 502200 | 2511 | CP-OFDM QPSK | 39@19 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 30 | 502200 | 2511 | CP-OFDM QPSK | 1@1 | 25.02 | 19.62 | 0.0916 |
| 41 | 30 | 30 | 502200 | 2511 | CP-OFDM QPSK | 1@76 | 24.75 | 19.35 | 0.0861 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.4 | 20 | 0.1000 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@76 | 25.1 | 19.7 | 0.0933 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 36@18 | 25.16 | 19.76 | 0.0946 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.2 | 19.8 | 0.0955 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@76 | 24.95 | 19.55 | 0.0902 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 36@18 | 25.09 | 19.69 | 0.0931 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@76 | 25.11 | 19.71 | 0.0935 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 36@18 | 24.06 | 18.66 | 0.0735 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24 | 18.6 | 0.0724 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@76 | 23.88 | 18.48 | 0.0705 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 36@18 | 20.47 | 15.07 | 0.0321 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.61 | 15.21 | 0.0332 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@76 | 20.36 | 14.96 | 0.0313 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM QPSK | 39@19 | 24.97 | 19.57 | 0.0906 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 24.9 | 19.5 | 0.0891 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM QPSK | 1@76 | 24.64 | 19.24 | 0.0839 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.1 | 19.7 | 0.0933 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM PI/2 BPSK | 1@76 | 25.35 | 19.95 | 0.0989 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM QPSK | 36@18 | 25.48 | 20.08 | 0.1019 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM QPSK | 1@1 | 25.18 | 19.78 | 0.0951 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM QPSK | 1@76 | 25.48 | 20.08 | 0.1019 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 16 QAM | 36@18 | 25.4 | 20 | 0.1000 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 16 QAM | 1@1 | 25.45 | 20.05 | 0.1012 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 16 QAM | 1@76 | 25.71 | 20.31 | 0.1074 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 64 QAM | 36@18 | 24.39 | 18.99 | 0.0793 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 64 QAM | 1@1 | 24.32 | 18.92 | 0.0780 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 64 QAM | 1@76 | 24.49 | 19.09 | 0.0811 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 256 QAM | 36@18 | 20.99 | 15.59 | 0.0362 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 256 QAM | 1@1 | 20.93 | 15.53 | 0.0357 |
| 41 | 30 | 30 | 534996 | 2674.98 | DFT-s-OFDM 256 QAM | 1@76 | 21.34 | 15.94 | 0.0393 |
| 41 | 30 | 30 | 534996 | 2674.98 | CP-OFDM QPSK | 39@19 | 25.47 | 20.07 | 0.1016 |
| 41 | 30 | 30 | 534996 | 2674.98 | CP-OFDM QPSK | 1@1 | 25.12 | 19.72 | 0.0938 |
| 41 | 30 | 30 | 534996 | 2674.98 | CP-OFDM QPSK | 1@76 | 25.07 | 19.67 | 0.0927 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.48 | 20.08 | 0.1019 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM PI/2 BPSK | 1@104 | 25.5 | 20.1 | 0.1023 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM QPSK | 50@25 | 25.47 | 20.07 | 0.1016 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM QPSK | 1@1 | 25.46 | 20.06 | 0.1014 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM QPSK | 1@104 | 25.48 | 20.08 | 0.1019 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 16 QAM | 50@25 | 25.42 | 20.02 | 0.1005 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 16 QAM | 1@1 | 25.66 | 20.26 | 0.1062 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 16 QAM | 1@104 | 25.78 | 20.38 | 0.1091 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 64 QAM | 50@25 | 24.37 | 18.97 | 0.0789 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 64 QAM | 1@1 | 24.51 | 19.11 | 0.0815 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 64 QAM | 1@104 | 24.51 | 19.11 | 0.0815 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 256 QAM | 50@25 | 21.05 | 15.65 | 0.0367 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.06 | 15.66 | 0.0368 |
| 41 | 30 | 40 | 503202 | 2516.01 | DFT-s-OFDM 256 QAM | 1@104 | 21.04 | 15.64 | 0.0366 |
| 41 | 30 | 40 | 503202 | 2516.01 | CP-OFDM QPSK | 53@26 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 40 | 503202 | 2516.01 | CP-OFDM QPSK | 1@1 | 25.24 | 19.84 | 0.0964 |
| 41 | 30 | 40 | 503202 | 2516.01 | CP-OFDM QPSK | 1@104 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.7 | 20.3 | 0.1072 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@104 | 25.7 | 20.3 | 0.1072 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@25 | 25.58 | 20.18 | 0.1042 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.52 | 20.12 | 0.1028 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@104 | 25.73 | 20.33 | 0.1079 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 50@25 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.87 | 20.47 | 0.1114 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@104 | 25.99 | 20.59 | 0.1146 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 50@25 | 24.57 | 19.17 | 0.0826 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.61 | 19.21 | 0.0834 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@104 | 24.76 | 19.36 | 0.0863 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 50@25 | 21.14 | 15.74 | 0.0375 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.02 | 15.62 | 0.0365 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@104 | 21.24 | 15.84 | 0.0384 |
| 41 | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK | 53@26 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 25.38 | 19.98 | 0.0995 |
| 41 | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK | 1@104 | 25.52 | 20.12 | 0.1028 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.91 | 20.51 | 0.1125 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM PI/2 BPSK | 1@104 | 25.37 | 19.97 | 0.0993 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM QPSK | 50@25 | 25.83 | 20.43 | 0.1104 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM QPSK | 1@1 | 25.5 | 20.1 | 0.1023 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM QPSK | 1@104 | 25.3 | 19.9 | 0.0977 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 16 QAM | 50@25 | 25.79 | 20.39 | 0.1094 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 16 QAM | 1@1 | 25.81 | 20.41 | 0.1099 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 16 QAM | 1@104 | 25.45 | 20.05 | 0.1012 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 64 QAM | 50@25 | 24.78 | 19.38 | 0.0867 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 64 QAM | 1@1 | 24.63 | 19.23 | 0.0838 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 64 QAM | 1@104 | 24.73 | 19.33 | 0.0857 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 256 QAM | 50@25 | 21.36 | 15.96 | 0.0394 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 256 QAM | 1@1 | 20.98 | 15.58 | 0.0361 |
| 41 | 30 | 40 | 534000 | 2670 | DFT-s-OFDM 256 QAM | 1@104 | 21.78 | 16.38 | 0.0435 |
| 41 | 30 | 40 | 534000 | 2670 | CP-OFDM QPSK | 53@26 | 25.78 | 20.38 | 0.1091 |
| 41 | 30 | 40 | 534000 | 2670 | CP-OFDM QPSK | 1@1 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 40 | 534000 | 2670 | CP-OFDM QPSK | 1@104 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM PI/2 BPSK | 64@32 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.31 | 19.91 | 0.0979 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM PI/2 BPSK | 1@131 | 25.27 | 19.87 | 0.0971 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM QPSK | 64@32 | 25.34 | 19.94 | 0.0986 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM QPSK | 1@1 | 25.35 | 19.95 | 0.0989 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM QPSK | 1@131 | 25.32 | 19.92 | 0.0982 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 16 QAM | 64@32 | 25.29 | 19.89 | 0.0975 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 16 QAM | 1@1 | 25.58 | 20.18 | 0.1042 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 16 QAM | 1@131 | 25.73 | 20.33 | 0.1079 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 64 QAM | 64@32 | 24.32 | 18.92 | 0.0780 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 64 QAM | 1@1 | 24.5 | 19.1 | 0.0813 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 64 QAM | 1@131 | 24.18 | 18.78 | 0.0755 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 256 QAM | 64@32 | 20.93 | 15.53 | 0.0357 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 256 QAM | 1@1 | 20.69 | 15.29 | 0.0338 |
| 41 | 30 | 50 | 504204 | 2521.02 | DFT-s-OFDM 256 QAM | 1@131 | 20.83 | 15.43 | 0.0349 |
| 41 | 30 | 50 | 504204 | 2521.02 | CP-OFDM QPSK | 67@33 | 25.34 | 19.94 | 0.0986 |
| 41 | 30 | 50 | 504204 | 2521.02 | CP-OFDM QPSK | 1@1 | 25.18 | 19.78 | 0.0951 |
| 41 | 30 | 50 | 504204 | 2521.02 | CP-OFDM QPSK | 1@131 | 25.25 | 19.85 | 0.0966 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 64@32 | 25.62 | 20.22 | 0.1052 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@131 | 25.63 | 20.23 | 0.1054 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 64@32 | 25.57 | 20.17 | 0.1040 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@131 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 64@32 | 25.56 | 20.16 | 0.1038 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@131 | 25.77 | 20.37 | 0.1089 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 64@32 | 24.53 | 19.13 | 0.0818 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.48 | 19.08 | 0.0809 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@131 | 24.67 | 19.27 | 0.0845 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 64@32 | 21.11 | 15.71 | 0.0372 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.07 | 15.67 | 0.0369 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@131 | 21.05 | 15.65 | 0.0367 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK | 67@33 | 25.64 | 20.24 | 0.1057 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 25.25 | 19.85 | 0.0966 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK | 1@131 | 25.47 | 20.07 | 0.1016 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM PI/2 BPSK | 64@32 | 25.81 | 20.41 | 0.1099 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.49 | 20.09 | 0.1021 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM PI/2 BPSK | 1@131 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 64@32 | 25.77 | 20.37 | 0.1089 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@1 | 25.44 | 20.04 | 0.1009 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM QPSK | 1@131 | 25.29 | 19.89 | 0.0975 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 16 QAM | 64@32 | 25.75 | 20.35 | 0.1084 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.73 | 20.33 | 0.1079 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 16 QAM | 1@131 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 64 QAM | 64@32 | 24.73 | 19.33 | 0.0857 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.34 | 18.94 | 0.0783 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 64 QAM | 1@131 | 24.72 | 19.32 | 0.0855 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 256 QAM | 64@32 | 21.23 | 15.83 | 0.0383 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.79 | 15.39 | 0.0346 |
| 41 | 30 | 50 | 532998 | 2664.99 | DFT-s-OFDM 256 QAM | 1@131 | 21.64 | 16.24 | 0.0421 |
| 41 | 30 | 50 | 532998 | 2664.99 | CP-OFDM QPSK | 67@33 | 25.82 | 20.42 | 0.1102 |
| 41 | 30 | 50 | 532998 | 2664.99 | CP-OFDM QPSK | 1@1 | 25.27 | 19.87 | 0.0971 |
| 41 | 30 | 50 | 532998 | 2664.99 | CP-OFDM QPSK | 1@131 | 25.15 | 19.75 | 0.0944 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM PI/2 BPSK | 81@40 | 25.31 | 19.91 | 0.0979 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.2 | 19.8 | 0.0955 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM PI/2 BPSK | 1@160 | 25.29 | 19.89 | 0.0975 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM QPSK | 81@40 | 25.31 | 19.91 | 0.0979 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM QPSK | 1@1 | 25.18 | 19.78 | 0.0951 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM QPSK | 1@160 | 25.32 | 19.92 | 0.0982 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 16 QAM | 81@40 | 25.22 | 19.82 | 0.0959 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 16 QAM | 1@1 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 16 QAM | 1@160 | 25.72 | 20.32 | 0.1076 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 64 QAM | 81@40 | 24.27 | 18.87 | 0.0771 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 64 QAM | 1@1 | 24.25 | 18.85 | 0.0767 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 64 QAM | 1@160 | 24.36 | 18.96 | 0.0787 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 256 QAM | 81@40 | 20.86 | 15.46 | 0.0352 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 256 QAM | 1@1 | 20.59 | 15.19 | 0.0330 |
| 41 | 30 | 60 | 505200 | 2526 | DFT-s-OFDM 256 QAM | 1@160 | 20.97 | 15.57 | 0.0361 |
| 41 | 30 | 60 | 505200 | 2526 | CP-OFDM QPSK | 81@40 | 25.25 | 19.85 | 0.0966 |
| 41 | 30 | 60 | 505200 | 2526 | CP-OFDM QPSK | 1@1 | 25.09 | 19.69 | 0.0931 |
| 41 | 30 | 60 | 505200 | 2526 | CP-OFDM QPSK | 1@160 | 25.16 | 19.76 | 0.0946 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 81@40 | 25.53 | 20.13 | 0.1030 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.31 | 19.91 | 0.0979 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@160 | 25.56 | 20.16 | 0.1038 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 81@40 | 25.46 | 20.06 | 0.1014 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@160 | 25.53 | 20.13 | 0.1030 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 81@40 | 25.42 | 20.02 | 0.1005 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@160 | 25.79 | 20.39 | 0.1094 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 81@40 | 24.49 | 19.09 | 0.0811 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24 | 18.6 | 0.0724 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@160 | 24.71 | 19.31 | 0.0853 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 81@40 | 21.02 | 15.62 | 0.0365 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.03 | 15.63 | 0.0366 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@160 | 21.13 | 15.73 | 0.0374 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM QPSK | 81@40 | 25.48 | 20.08 | 0.1019 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 25.13 | 19.73 | 0.0940 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM QPSK | 1@160 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM PI/2 BPSK | 81@40 | 25.75 | 20.35 | 0.1084 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.3 | 19.9 | 0.0977 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM PI/2 BPSK | 1@160 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM QPSK | 81@40 | 25.64 | 20.24 | 0.1057 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM QPSK | 1@1 | 25.29 | 19.89 | 0.0975 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM QPSK | 1@160 | 25.27 | 19.87 | 0.0971 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 16 QAM | 81@40 | 25.6 | 20.2 | 0.1047 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 16 QAM | 1@1 | 25.51 | 20.11 | 0.1026 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 16 QAM | 1@160 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 64 QAM | 81@40 | 24.69 | 19.29 | 0.0849 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 64 QAM | 1@1 | 24.41 | 19.01 | 0.0796 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 64 QAM | 1@160 | 24.44 | 19.04 | 0.0802 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 256 QAM | 81@40 | 21.19 | 15.79 | 0.0379 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 256 QAM | 1@1 | 20.69 | 15.29 | 0.0338 |
| 41 | 30 | 60 | 531996 | 2659.98 | DFT-s-OFDM 256 QAM | 1@160 | 21.76 | 16.36 | 0.0433 |
| 41 | 30 | 60 | 531996 | 2659.98 | CP-OFDM QPSK | 81@40 | 25.69 | 20.29 | 0.1069 |
| 41 | 30 | 60 | 531996 | 2659.98 | CP-OFDM QPSK | 1@1 | 25.22 | 19.82 | 0.0959 |
| 41 | 30 | 60 | 531996 | 2659.98 | CP-OFDM QPSK | 1@160 | 25.18 | 19.78 | 0.0951 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM PI/2 BPSK | 90@45 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.03 | 19.63 | 0.0918 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM PI/2 BPSK | 1@187 | 25.24 | 19.84 | 0.0964 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM QPSK | 90@45 | 25.28 | 19.88 | 0.0973 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM QPSK | 1@1 | 25.1 | 19.7 | 0.0933 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM QPSK | 1@187 | 25.35 | 19.95 | 0.0989 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 16 QAM | 90@45 | 25.3 | 19.9 | 0.0977 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 16 QAM | 1@1 | 25.44 | 20.04 | 0.1009 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 16 QAM | 1@187 | 25.64 | 20.24 | 0.1057 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 64 QAM | 90@45 | 24.3 | 18.9 | 0.0776 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 64 QAM | 1@1 | 24.18 | 18.78 | 0.0755 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 64 QAM | 1@187 | 24.24 | 18.84 | 0.0766 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 256 QAM | 90@45 | 20.8 | 15.4 | 0.0347 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.73 | 15.33 | 0.0341 |
| 41 | 30 | 70 | 506202 | 2531.01 | DFT-s-OFDM 256 QAM | 1@187 | 21.02 | 15.62 | 0.0365 |
| 41 | 30 | 70 | 506202 | 2531.01 | CP-OFDM QPSK | 95@47 | 25.28 | 19.88 | 0.0973 |
| 41 | 30 | 70 | 506202 | 2531.01 | CP-OFDM QPSK | 1@1 | 25.2 | 19.8 | 0.0955 |
| 41 | 30 | 70 | 506202 | 2531.01 | CP-OFDM QPSK | 1@187 | 25.06 | 19.66 | 0.0925 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 90@45 | 25.52 | 20.12 | 0.1028 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.14 | 19.74 | 0.0942 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@187 | 25.42 | 20.02 | 0.1005 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 90@45 | 25.45 | 20.05 | 0.1012 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.14 | 19.74 | 0.0942 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@187 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 90@45 | 25.46 | 20.06 | 0.1014 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.53 | 20.13 | 0.1030 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@187 | 25.87 | 20.47 | 0.1114 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 90@45 | 24.44 | 19.04 | 0.0802 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 23.9 | 18.5 | 0.0708 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@187 | 24.43 | 19.03 | 0.0800 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 90@45 | 20.91 | 15.51 | 0.0356 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.82 | 15.42 | 0.0348 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@187 | 21 | 15.6 | 0.0363 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK | 95@47 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 24.92 | 19.52 | 0.0895 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK | 1@187 | 25.33 | 19.93 | 0.0984 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM PI/2 BPSK | 90@45 | 25.65 | 20.25 | 0.1059 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.09 | 19.69 | 0.0931 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM PI/2 BPSK | 1@187 | 25.72 | 20.32 | 0.1076 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM QPSK | 90@45 | 25.6 | 20.2 | 0.1047 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM QPSK | 1@1 | 25.05 | 19.65 | 0.0923 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM QPSK | 1@187 | 25.76 | 20.36 | 0.1086 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 16 QAM | 90@45 | 25.55 | 20.15 | 0.1035 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 16 QAM | 1@1 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 16 QAM | 1@187 | 26.28 | 20.88 | 0.1225 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 64 QAM | 90@45 | 24.56 | 19.16 | 0.0824 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 64 QAM | 1@1 | 24.03 | 18.63 | 0.0729 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 64 QAM | 1@187 | 24.88 | 19.48 | 0.0887 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 256 QAM | 90@45 | 21.03 | 15.63 | 0.0366 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 256 QAM | 1@1 | 20.65 | 15.25 | 0.0335 |
| 41 | 30 | 70 | 531000 | 2655 | DFT-s-OFDM 256 QAM | 1@187 | 21.34 | 15.94 | 0.0393 |
| 41 | 30 | 70 | 531000 | 2655 | CP-OFDM QPSK | 95@47 | 25.59 | 20.19 | 0.1045 |
| 41 | 30 | 70 | 531000 | 2655 | CP-OFDM QPSK | 1@1 | 25.04 | 19.64 | 0.0920 |
| 41 | 30 | 70 | 531000 | 2655 | CP-OFDM QPSK | 1@187 | 25.54 | 20.14 | 0.1033 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM PI/2 BPSK | 108@54 | 25.24 | 19.84 | 0.0964 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.05 | 19.65 | 0.0923 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM PI/2 BPSK | 1@215 | 25.31 | 19.91 | 0.0979 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM QPSK | 108@54 | 25.2 | 19.8 | 0.0955 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM QPSK | 1@1 | 25.11 | 19.71 | 0.0935 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM QPSK | 1@215 | 25.38 | 19.98 | 0.0995 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 16 QAM | 108@54 | 25.22 | 19.82 | 0.0959 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 16 QAM | 1@1 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 16 QAM | 1@215 | 25.72 | 20.32 | 0.1076 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 64 QAM | 108@54 | 24.22 | 18.82 | 0.0762 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 64 QAM | 1@1 | 24.1 | 18.7 | 0.0741 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 64 QAM | 1@215 | 24.44 | 19.04 | 0.0802 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 256 QAM | 108@54 | 20.75 | 15.35 | 0.0343 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 256 QAM | 1@1 | 20.89 | 15.49 | 0.0354 |
| 41 | 30 | 80 | 507204 | 2536.02 | DFT-s-OFDM 256 QAM | 1@215 | 21.07 | 15.67 | 0.0369 |
| 41 | 30 | 80 | 507204 | 2536.02 | CP-OFDM QPSK | 109@54 | 25.36 | 19.96 | 0.0991 |
| 41 | 30 | 80 | 507204 | 2536.02 | CP-OFDM QPSK | 1@1 | 24.89 | 19.49 | 0.0889 |
| 41 | 30 | 80 | 507204 | 2536.02 | CP-OFDM QPSK | 1@215 | 25.29 | 19.89 | 0.0975 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 108@54 | 25.4 | 20 | 0.1000 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.07 | 19.67 | 0.0927 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@215 | 25.44 | 20.04 | 0.1009 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 108@54 | 25.33 | 19.93 | 0.0984 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 25.05 | 19.65 | 0.0923 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@215 | 25.4 | 20 | 0.1000 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 108@54 | 25.32 | 19.92 | 0.0982 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@215 | 25.8 | 20.4 | 0.1096 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 108@54 | 24.37 | 18.97 | 0.0789 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 23.95 | 18.55 | 0.0716 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@215 | 24.59 | 19.19 | 0.0830 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 108@54 | 20.88 | 15.48 | 0.0353 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.71 | 15.31 | 0.0340 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@215 | 21.2 | 15.8 | 0.0380 |
| 41 | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK | 109@54 | 25.56 | 20.16 | 0.1038 |
| 41 | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 24.93 | 19.53 | 0.0897 |
| 41 | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK | 1@215 | 25.21 | 19.81 | 0.0957 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM PI/2 BPSK | 108@54 | 25.47 | 20.07 | 0.1016 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.09 | 19.69 | 0.0931 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM PI/2 BPSK | 1@215 | 25.79 | 20.39 | 0.1094 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM QPSK | 108@54 | 25.38 | 19.98 | 0.0995 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM QPSK | 1@1 | 25.01 | 19.61 | 0.0914 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM QPSK | 1@215 | 25.82 | 20.42 | 0.1102 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 16 QAM | 108@54 | 25.44 | 20.04 | 0.1009 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.32 | 19.92 | 0.0982 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 16 QAM | 1@215 | 26.25 | 20.85 | 0.1216 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 64 QAM | 108@54 | 24.39 | 18.99 | 0.0793 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.17 | 18.77 | 0.0753 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 64 QAM | 1@215 | 24.9 | 19.5 | 0.0891 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 256 QAM | 108@54 | 20.92 | 15.52 | 0.0356 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.72 | 15.32 | 0.0340 |
| 41 | 30 | 80 | 529998 | 2649.99 | DFT-s-OFDM 256 QAM | 1@215 | 21.47 | 16.07 | 0.0405 |
| 41 | 30 | 80 | 529998 | 2649.99 | CP-OFDM QPSK | 109@54 | 25.56 | 20.16 | 0.1038 |
| 41 | 30 | 80 | 529998 | 2649.99 | CP-OFDM QPSK | 1@1 | 24.98 | 19.58 | 0.0908 |
| 41 | 30 | 80 | 529998 | 2649.99 | CP-OFDM QPSK | 1@215 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM PI/2 BPSK | 120@60 | 25.31 | 19.91 | 0.0979 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.93 | 19.53 | 0.0897 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM PI/2 BPSK | 1@243 | 25.34 | 19.94 | 0.0986 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM QPSK | 120@60 | 25.27 | 19.87 | 0.0971 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM QPSK | 1@1 | 25.07 | 19.67 | 0.0927 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM QPSK | 1@243 | 25.38 | 19.98 | 0.0995 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 16 QAM | 120@60 | 25.28 | 19.88 | 0.0973 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 16 QAM | 1@1 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 16 QAM | 1@243 | 25.76 | 20.36 | 0.1086 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 64 QAM | 120@60 | 24.23 | 18.83 | 0.0764 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 64 QAM | 1@1 | 23.99 | 18.59 | 0.0723 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 64 QAM | 1@243 | 24.42 | 19.02 | 0.0798 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 256 QAM | 120@60 | 20.76 | 15.36 | 0.0344 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 256 QAM | 1@1 | 20.82 | 15.42 | 0.0348 |
| 41 | 30 | 90 | 508200 | 2541 | DFT-s-OFDM 256 QAM | 1@243 | 21.03 | 15.63 | 0.0366 |
| 41 | 30 | 90 | 508200 | 2541 | CP-OFDM QPSK | 123@61 | 25.27 | 19.87 | 0.0971 |
| 41 | 30 | 90 | 508200 | 2541 | CP-OFDM QPSK | 1@1 | 24.76 | 19.36 | 0.0863 |
| 41 | 30 | 90 | 508200 | 2541 | CP-OFDM QPSK | 1@243 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 120@60 | 25.46 | 20.06 | 0.1014 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.94 | 19.54 | 0.0899 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@243 | 25.37 | 19.97 | 0.0993 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 120@60 | 25.33 | 19.93 | 0.0984 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 24.87 | 19.47 | 0.0885 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@243 | 25.44 | 20.04 | 0.1009 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 120@60 | 25.4 | 20 | 0.1000 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.49 | 20.09 | 0.1021 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@243 | 25.68 | 20.28 | 0.1067 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 120@60 | 24.35 | 18.95 | 0.0785 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 23.89 | 18.49 | 0.0706 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@243 | 24.58 | 19.18 | 0.0828 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 120@60 | 20.89 | 15.49 | 0.0354 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.64 | 15.24 | 0.0334 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@243 | 21.04 | 15.64 | 0.0366 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK | 123@61 | 25.35 | 19.95 | 0.0989 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 24.81 | 19.41 | 0.0873 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK | 1@243 | 25.35 | 19.95 | 0.0989 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM PI/2 BPSK | 120@60 | 25.51 | 20.11 | 0.1026 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.9 | 19.5 | 0.0891 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM PI/2 BPSK | 1@243 | 25.73 | 20.33 | 0.1079 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM QPSK | 120@60 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM QPSK | 1@1 | 24.82 | 19.42 | 0.0875 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM QPSK | 1@243 | 25.72 | 20.32 | 0.1076 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 16 QAM | 120@60 | 25.39 | 19.99 | 0.0998 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 16 QAM | 1@1 | 25.12 | 19.72 | 0.0938 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 16 QAM | 1@243 | 26.26 | 20.86 | 0.1219 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 64 QAM | 120@60 | 24.42 | 19.02 | 0.0798 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 64 QAM | 1@1 | 23.74 | 18.34 | 0.0682 |

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|----|----|-----|--------|---------|-------------------------|--------|-------|-------|--------|
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 64 QAM | 1@243 | 24.71 | 19.31 | 0.0853 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 256 QAM | 120@60 | 20.91 | 15.51 | 0.0356 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 256 QAM | 1@1 | 20.45 | 15.05 | 0.0320 |
| 41 | 30 | 90 | 528996 | 2644.98 | DFT-s-OFDM 256 QAM | 1@243 | 21.44 | 16.04 | 0.0402 |
| 41 | 30 | 90 | 528996 | 2644.98 | CP-OFDM QPSK | 123@61 | 25.43 | 20.03 | 0.1007 |
| 41 | 30 | 90 | 528996 | 2644.98 | CP-OFDM QPSK | 1@1 | 24.93 | 19.53 | 0.0897 |
| 41 | 30 | 90 | 528996 | 2644.98 | CP-OFDM QPSK | 1@243 | 25.98 | 20.58 | 0.1143 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.35 | 19.95 | 0.0989 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.16 | 19.76 | 0.0946 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.5 | 20.1 | 0.1023 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 135@67 | 25.27 | 19.87 | 0.0971 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 1@1 | 25.09 | 19.69 | 0.0931 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM QPSK | 1@271 | 25.47 | 20.07 | 0.1016 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM | 135@67 | 25.29 | 19.89 | 0.0975 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM | 1@1 | 25.41 | 20.01 | 0.1002 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 16 QAM | 1@271 | 25.61 | 20.21 | 0.1050 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM | 135@67 | 24.27 | 18.87 | 0.0771 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM | 1@1 | 24.22 | 18.82 | 0.0762 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 64 QAM | 1@271 | 24.6 | 19.2 | 0.0832 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM | 135@67 | 20.82 | 15.42 | 0.0348 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.69 | 15.29 | 0.0338 |
| 41 | 30 | 100 | 509202 | 2546.01 | DFT-s-OFDM 256 QAM | 1@271 | 21.02 | 15.62 | 0.0365 |
| 41 | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK | 137@68 | 25.32 | 19.92 | 0.0982 |
| 41 | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK | 1@1 | 24.95 | 19.55 | 0.0902 |
| 41 | 30 | 100 | 509202 | 2546.01 | CP-OFDM QPSK | 1@271 | 25.31 | 19.91 | 0.0979 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.46 | 20.06 | 0.1014 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.98 | 19.58 | 0.0908 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.65 | 20.25 | 0.1059 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 135@67 | 25.37 | 19.97 | 0.0993 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@1 | 24.96 | 19.56 | 0.0904 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@271 | 25.63 | 20.23 | 0.1054 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 135@67 | 25.36 | 19.96 | 0.0991 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.4 | 20 | 0.1000 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 16 QAM | 1@271 | 25.78 | 20.38 | 0.1091 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 135@67 | 24.36 | 18.96 | 0.0787 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@1 | 24.01 | 18.61 | 0.0726 |

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|----|----|-----|--------|---------|-------------------------|--------|-------|-------|--------|
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 64 QAM | 1@271 | 24.72 | 19.32 | 0.0855 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 135@67 | 20.9 | 15.5 | 0.0355 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.62 | 15.22 | 0.0333 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM 256 QAM | 1@271 | 21.13 | 15.73 | 0.0374 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 137@68 | 25.46 | 20.06 | 0.1014 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 1@1 | 24.77 | 19.37 | 0.0865 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 1@271 | 25.48 | 20.08 | 0.1019 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.52 | 20.12 | 0.1028 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.11 | 19.71 | 0.0935 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.18 | 19.78 | 0.0951 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK | 135@67 | 25.21 | 19.81 | 0.0957 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK | 1@1 | 25.21 | 19.81 | 0.0957 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM QPSK | 1@271 | 25.51 | 20.11 | 0.1026 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM | 135@67 | 25.34 | 19.94 | 0.0986 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM | 1@1 | 25.33 | 19.93 | 0.0984 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 16 QAM | 1@271 | 25.26 | 19.86 | 0.0968 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM | 135@67 | 24.5 | 19.1 | 0.0813 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM | 1@1 | 24.25 | 18.85 | 0.0767 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 64 QAM | 1@271 | 24.4 | 19 | 0.0794 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM | 135@67 | 20.99 | 15.59 | 0.0362 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM | 1@1 | 20.6 | 15.2 | 0.0331 |
| 41 | 30 | 100 | 528000 | 2640 | DFT-s-OFDM 256 QAM | 1@271 | 21.78 | 16.38 | 0.0435 |
| 41 | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK | 137@68 | 25.75 | 20.35 | 0.1084 |
| 41 | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK | 1@1 | 25.07 | 19.67 | 0.0927 |
| 41 | 30 | 100 | 528000 | 2640 | CP-OFDM QPSK | 1@271 | 24.96 | 19.56 | 0.0904 |

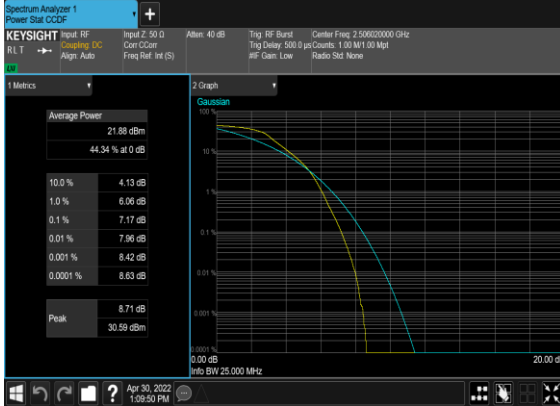
Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------------|---------|-------------|
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00365 | PASS | NV |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00648 | PASS | LV |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00592 | PASS | HV |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.007 | PASS | -30°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00265 | PASS | -20°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00637 | PASS | -10°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00422 | PASS | 0°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0043 | PASS | 10°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00355 | PASS | 20°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00606 | PASS | 30°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.00345 | PASS | 40°C |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 0.0067 | PASS | 50°C |

Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|-------------------------|------|-------------|------------|---------|
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.17 | 13 | PASS |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.71 | 13 | PASS |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM QPSK | 50@0 | 8.41 | 13 | PASS |
| 41 | 30 | 20 | 501204 | 2506.02 | DFT-s-OFDM QPSK | 1@0 | 8.05 | 13 | PASS |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.13 | 13 | PASS |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 1@0 | 6.73 | 13 | PASS |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 8.34 | 13 | PASS |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 1@0 | 7.35 | 13 | PASS |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.19 | 13 | PASS |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.5 | 13 | PASS |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 50@0 | 8.38 | 13 | PASS |
| 41 | 30 | 20 | 535998 | 2679.99 | DFT-s-OFDM QPSK | 1@0 | 7.82 | 13 | PASS |

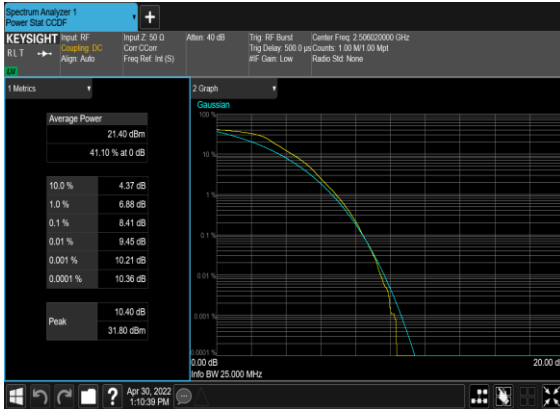
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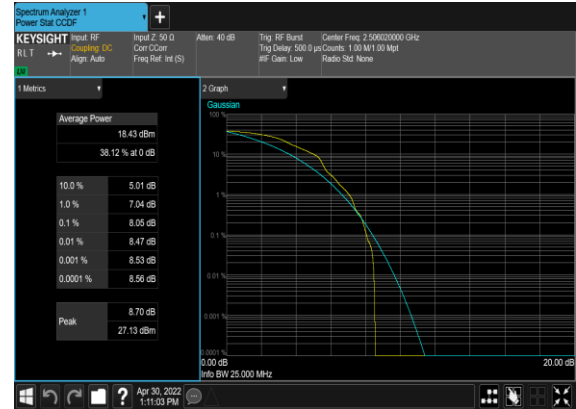
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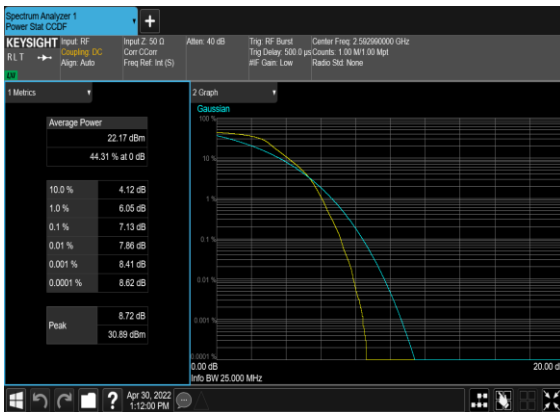
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N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



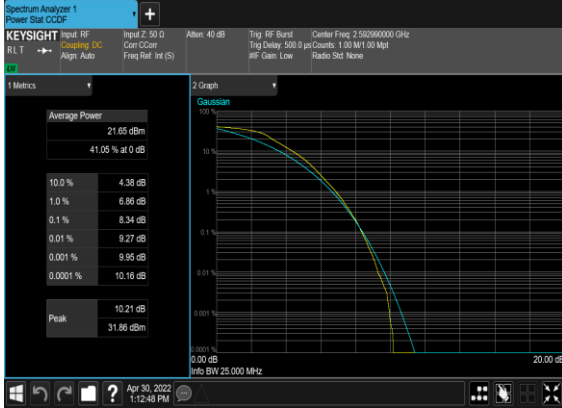
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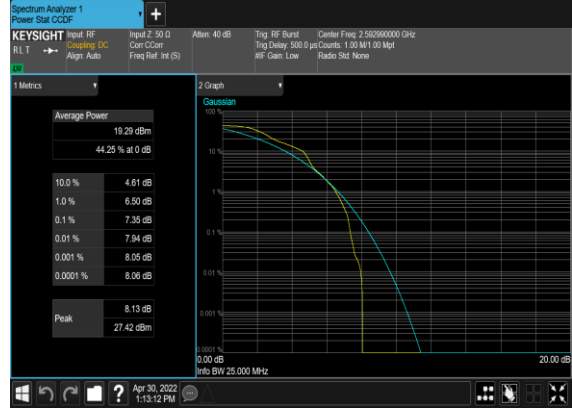
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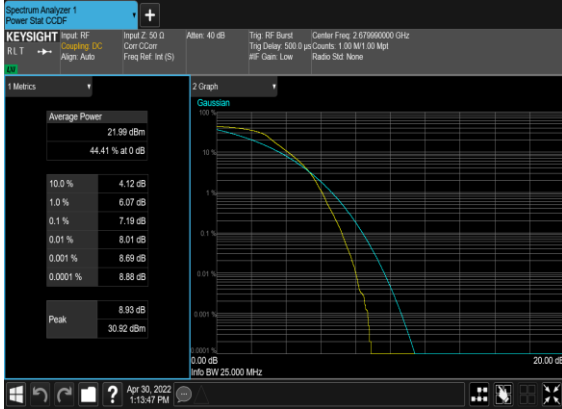
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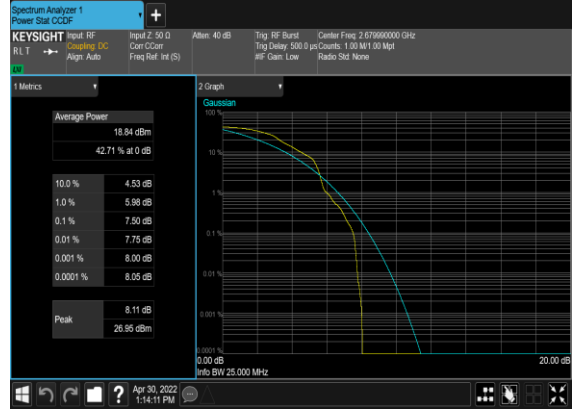
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



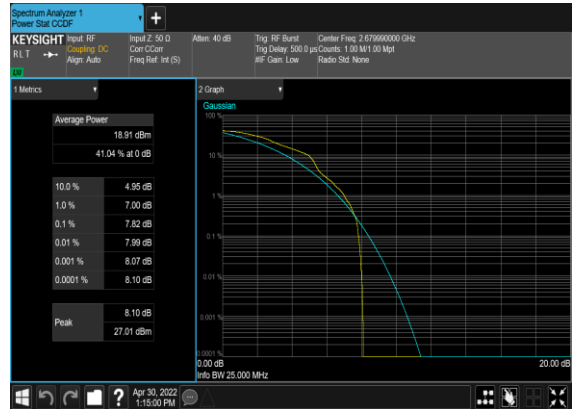
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N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-----------|----------------|
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 24@0 | 8.5982 | 9.148 |
| 41 | 30 | 10 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 24@0 | 8.5523 | 9.382 |
| 41 | 30 | 10 | 518598 | 2592.99 | CP-OFDM QPSK | 24@0 | 8.5671 | 9.194 |
| 41 | 30 | 10 | 518598 | 2592.99 | CP-OFDM 16 QAM | 24@0 | 8.594 | 9.363 |
| 41 | 30 | 10 | 518598 | 2592.99 | CP-OFDM 64 QAM | 24@0 | 8.5879 | 9.286 |
| 41 | 30 | 10 | 518598 | 2592.99 | CP-OFDM 256 QAM | 24@0 | 8.5612 | 9.608 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 36@0 | 12.849 | 13.87 |
| 41 | 30 | 15 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 36@0 | 12.858 | 13.91 |
| 41 | 30 | 15 | 518598 | 2592.99 | CP-OFDM QPSK | 38@0 | 13.56 | 14.35 |
| 41 | 30 | 15 | 518598 | 2592.99 | CP-OFDM 16 QAM | 38@0 | 13.565 | 14.31 |
| 41 | 30 | 15 | 518598 | 2592.99 | CP-OFDM 64 QAM | 38@0 | 13.538 | 14.43 |
| 41 | 30 | 15 | 518598 | 2592.99 | CP-OFDM 256 QAM | 38@0 | 13.556 | 14.34 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 50@0 | 17.84 | 18.76 |
| 41 | 30 | 20 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 50@0 | 17.801 | 18.69 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM QPSK | 51@0 | 18.171 | 19.43 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM 16 QAM | 51@0 | 18.204 | 19.56 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM 64 QAM | 51@0 | 18.177 | 20.81 |
| 41 | 30 | 20 | 518598 | 2592.99 | CP-OFDM 256 QAM | 51@0 | 18.211 | 19.19 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 75@0 | 26.76 | 28.44 |
| 41 | 30 | 30 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 75@0 | 26.744 | 28.21 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM QPSK | 78@0 | 27.844 | 29.17 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM 16 QAM | 78@0 | 27.891 | 29.2 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM 64 QAM | 78@0 | 27.831 | 30.19 |
| 41 | 30 | 30 | 518598 | 2592.99 | CP-OFDM 256 QAM | 78@0 | 27.859 | 29.57 |
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 100@0 | 35.742 | 37.33 |

| | | | | | | | | |
|----|----|----|--------|---------|-------------------------|-------|--------|-------|
| 41 | 30 | 40 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 100@0 | 35.808 | 37.31 |
| 41 | 30 | 40 | 518598 | 2592.99 | CP-OFDM QPSK | 106@0 | 37.704 | 39.09 |
| 41 | 30 | 40 | 518598 | 2592.99 | CP-OFDM 16 QAM | 106@0 | 37.846 | 41.31 |
| 41 | 30 | 40 | 518598 | 2592.99 | CP-OFDM 64 QAM | 106@0 | 37.794 | 39.37 |
| 41 | 30 | 40 | 518598 | 2592.99 | CP-OFDM 256 QAM | 106@0 | 37.802 | 39.61 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 128@0 | 45.789 | 47.47 |
| 41 | 30 | 50 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 128@0 | 45.818 | 47.71 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM QPSK | 133@0 | 47.47 | 49.3 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM 16 QAM | 133@0 | 47.438 | 49.38 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM 64 QAM | 133@0 | 47.422 | 49.21 |
| 41 | 30 | 50 | 518598 | 2592.99 | CP-OFDM 256 QAM | 133@0 | 47.368 | 50.49 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 162@0 | 57.876 | 59.75 |
| 41 | 30 | 60 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 162@0 | 57.983 | 59.8 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM QPSK | 162@0 | 57.751 | 59.74 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM 16 QAM | 162@0 | 57.823 | 59.85 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM 64 QAM | 162@0 | 57.695 | 59.84 |
| 41 | 30 | 60 | 518598 | 2592.99 | CP-OFDM 256 QAM | 162@0 | 57.819 | 61.22 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 180@0 | 64.395 | 66.39 |
| 41 | 30 | 70 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 180@0 | 64.246 | 66.48 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM QPSK | 189@0 | 67.405 | 69.67 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM 16 QAM | 189@0 | 67.513 | 69.71 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM 64 QAM | 189@0 | 67.517 | 69.71 |
| 41 | 30 | 70 | 518598 | 2592.99 | CP-OFDM 256 QAM | 189@0 | 67.462 | 70.47 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 216@0 | 77.136 | 80.47 |
| 41 | 30 | 80 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 216@0 | 77.137 | 79.65 |
| 41 | 30 | 80 | 518598 | 2592.99 | CP-OFDM QPSK | 217@0 | 77.456 | 80.76 |
| 41 | 30 | 80 | 518598 | 2592.99 | CP-OFDM 16 QAM | 217@0 | 77.306 | 79.95 |

| | | | | | | | | |
|----|----|-----|--------|---------|-------------------------|-------|--------|-------|
| 41 | 30 | 80 | 518598 | 2592.99 | CP-OFDM 64 QAM | 217@0 | 77.533 | 80.13 |
| 41 | 30 | 80 | 518598 | 2592.99 | CP-OFDM 256 QAM | 217@0 | 77.336 | 79.94 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 240@0 | 86.858 | 89.57 |
| 41 | 30 | 90 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 240@0 | 85.597 | 88.57 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM QPSK | 245@0 | 87.342 | 90.3 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM 16 QAM | 245@0 | 87.542 | 90.35 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM 64 QAM | 245@0 | 87.543 | 90.26 |
| 41 | 30 | 90 | 518598 | 2592.99 | CP-OFDM 256 QAM | 245@0 | 87.473 | 90.3 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 270@0 | 96.636 | 99.63 |
| 41 | 30 | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK | 270@0 | 96.45 | 99.39 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM QPSK | 273@0 | 97.288 | 100.8 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM 16 QAM | 273@0 | 97.434 | 100.5 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM 64 QAM | 273@0 | 97.414 | 100.6 |
| 41 | 30 | 100 | 518598 | 2592.99 | CP-OFDM 256 QAM | 273@0 | 97.217 | 100.5 |

N41(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



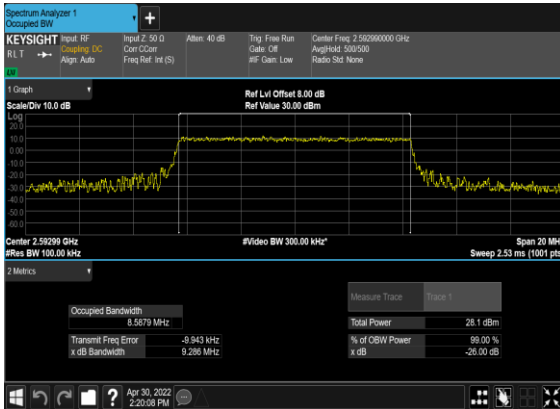
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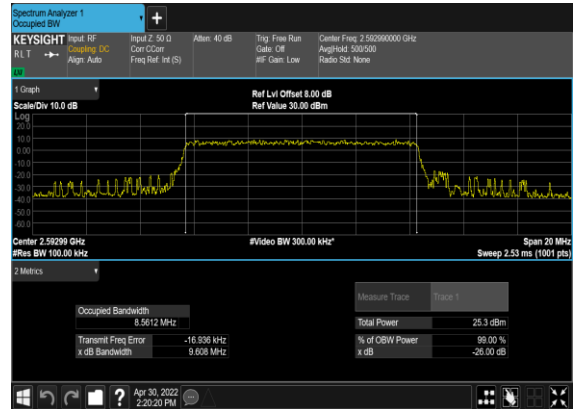
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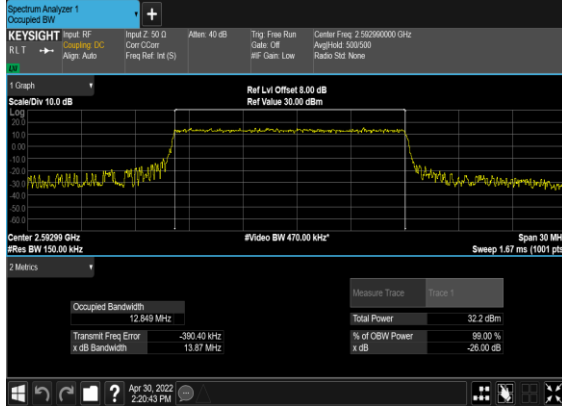
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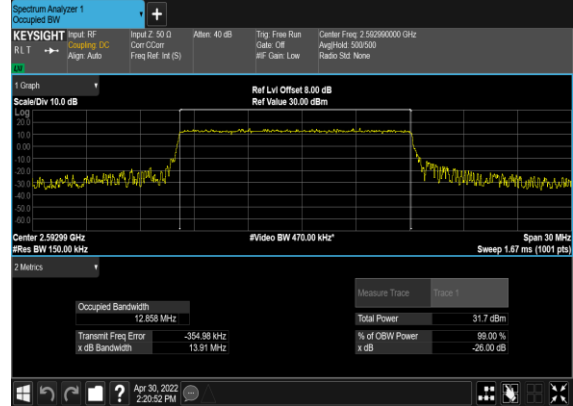
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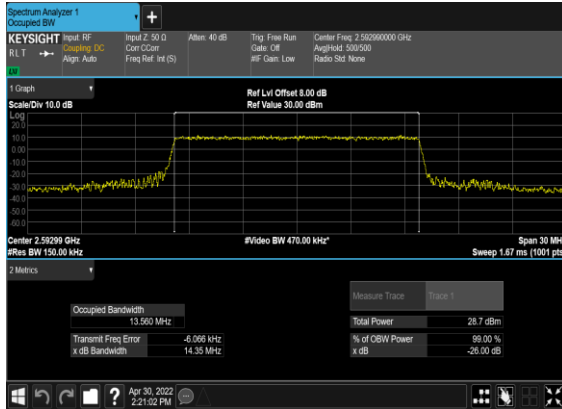
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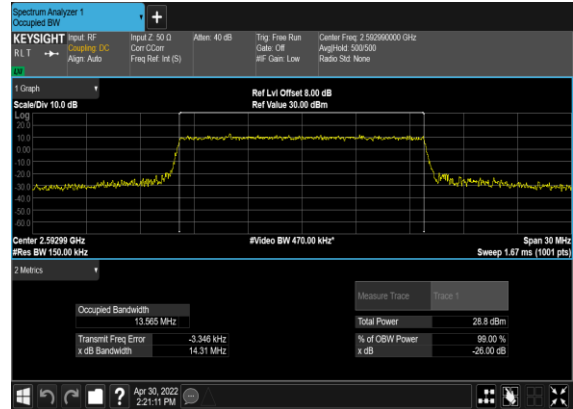
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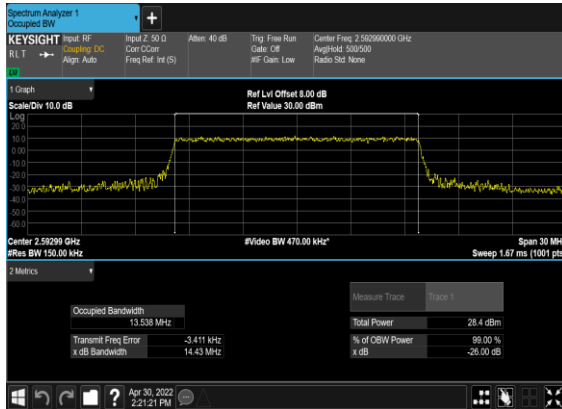
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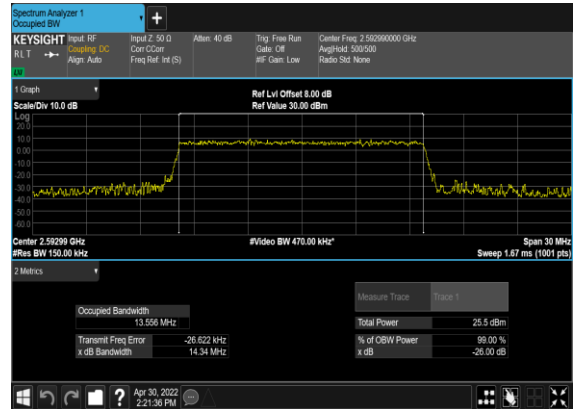
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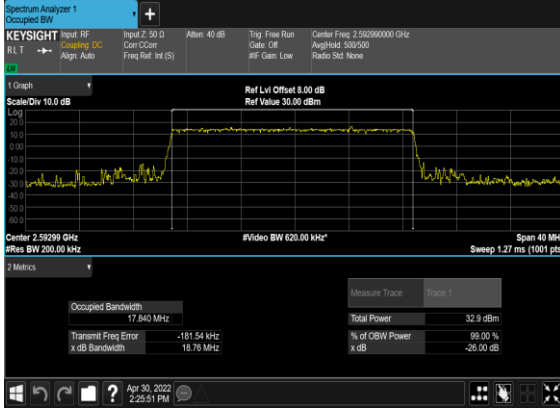
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QAM_Outer_Full_Mid_CH



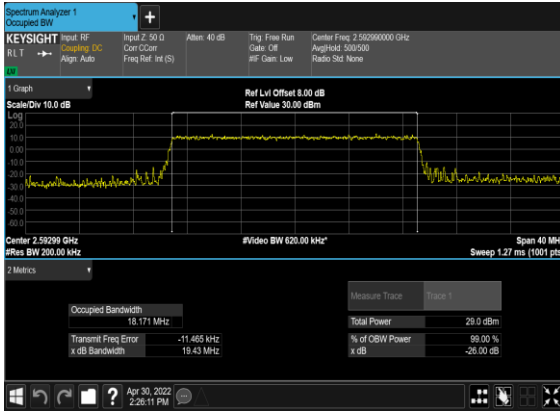
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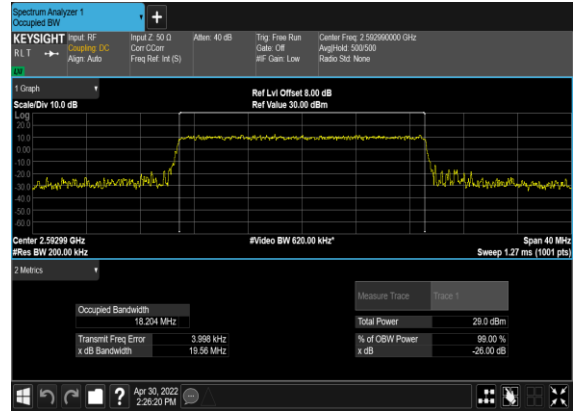
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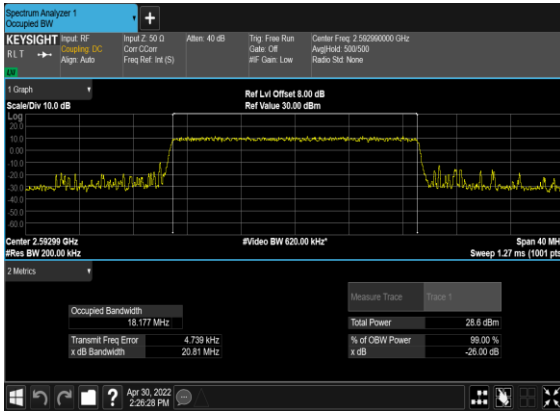
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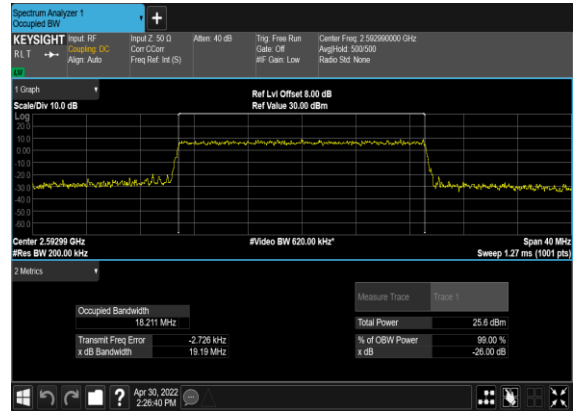
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QAM_Outer_Full_Mid_CH



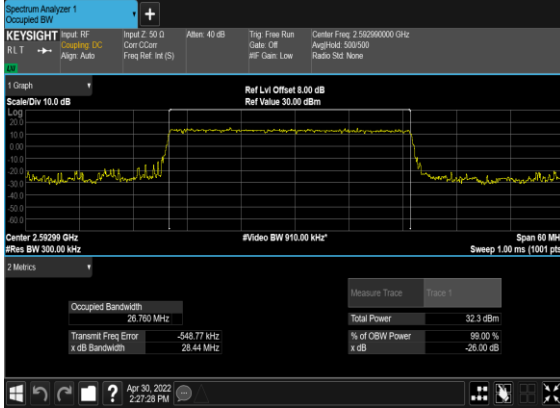
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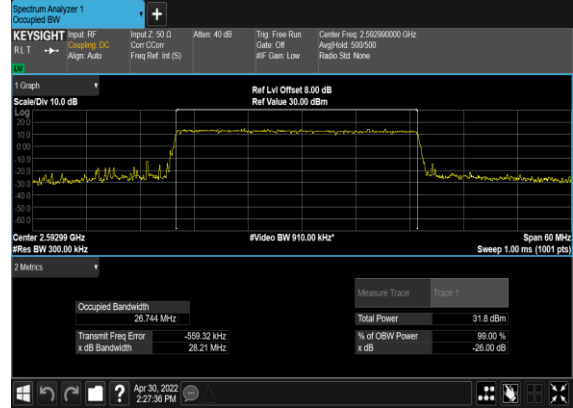
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QAM_Outer_Full_Mid_CH



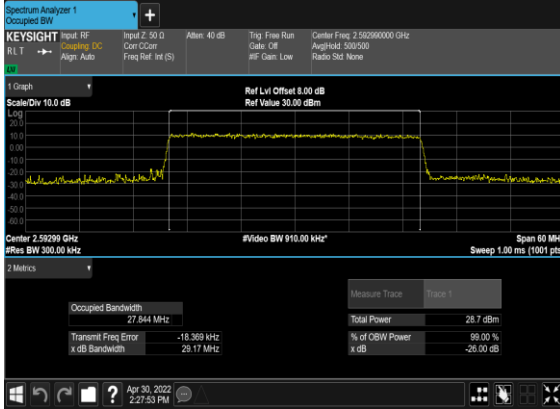
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BPSK_Outer_Full_Mid_CH



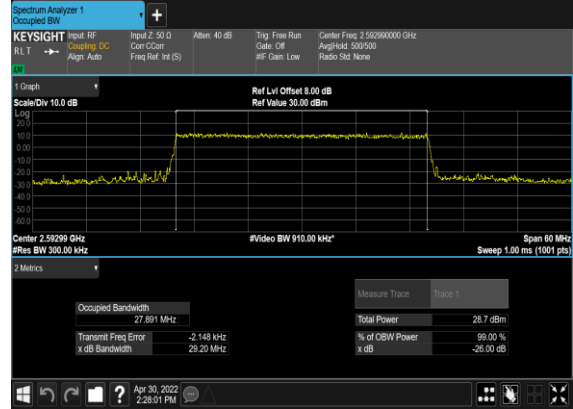
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OFDM_QPSK_Outer_Full_Mid_CH



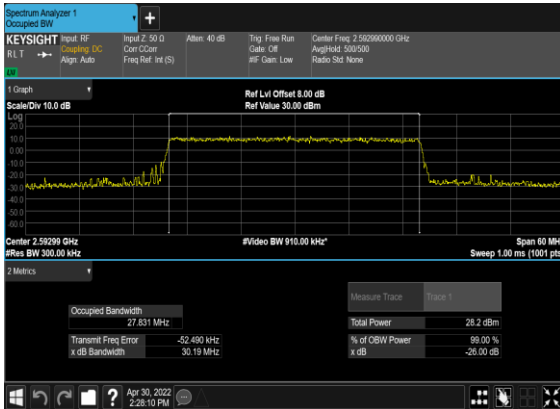
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OFDM_QPSK_Outer_Full_Mid_CH



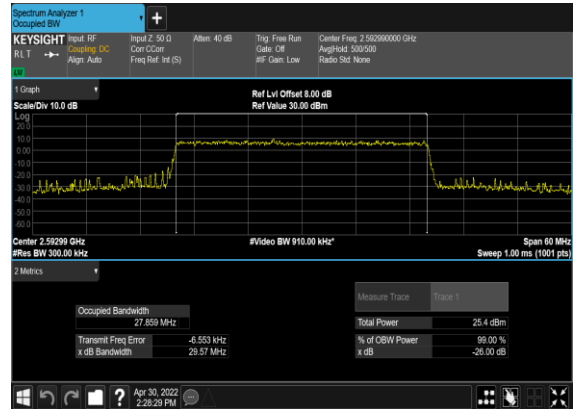
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QAM_Outer_Full_Mid_CH



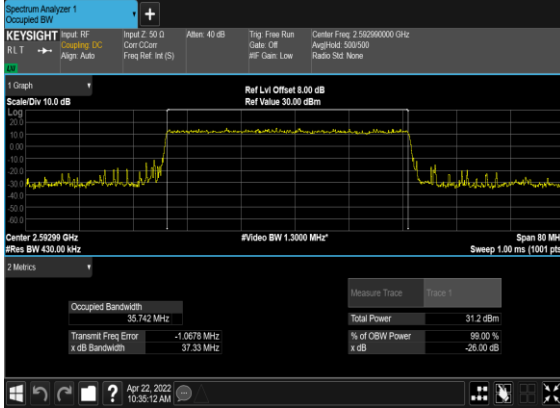
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QAM_Outer_Full_Mid_CH



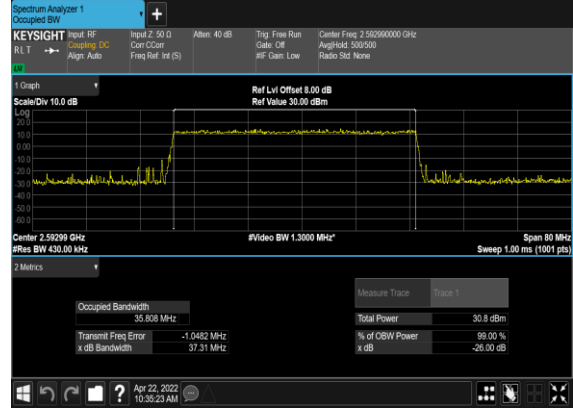
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QAM_Outer_Full_Mid_CH



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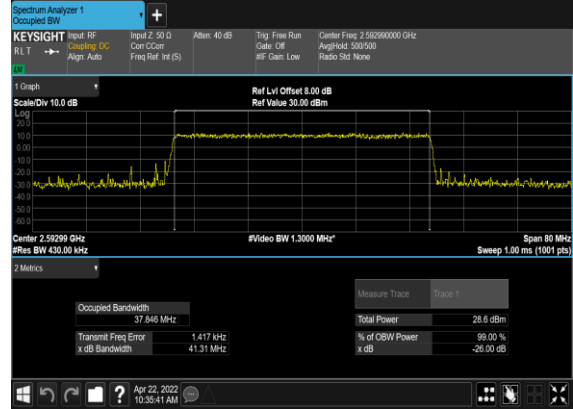
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OFDM_QPSK_Outer_Full_Mid_CH



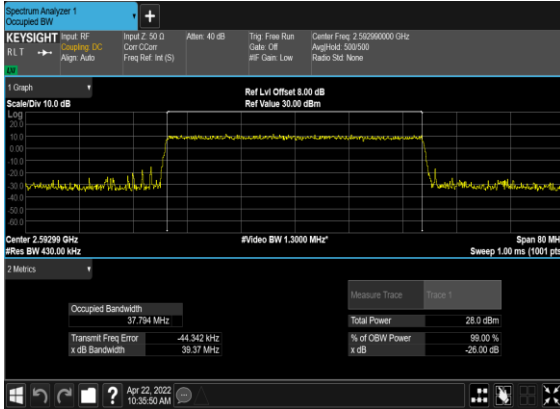
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OFDM_QPSK_Outer_Full_Mid_CH



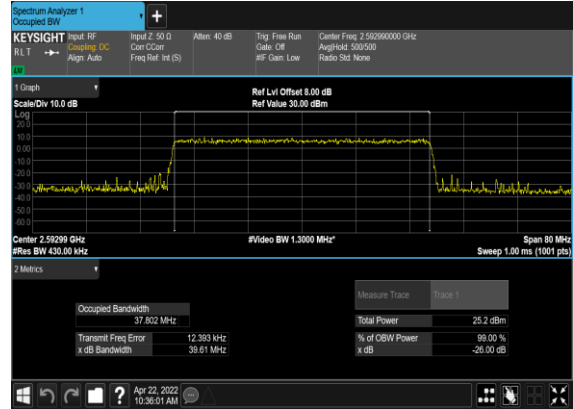
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QAM_Outer_Full_Mid_CH



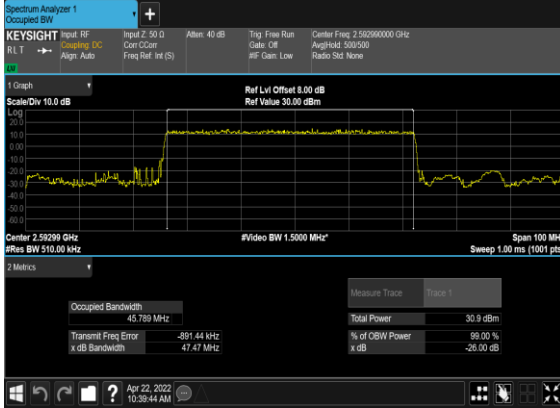
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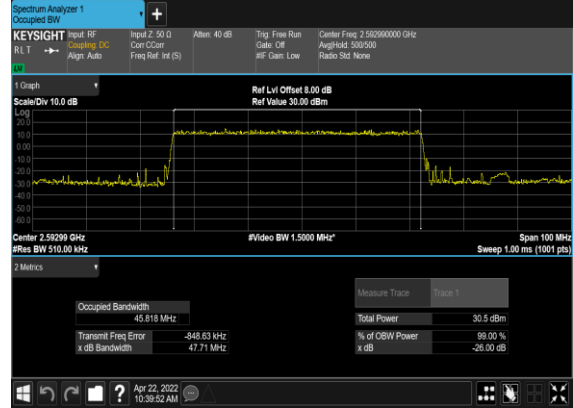
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QAM_Outer_Full_Mid_CH



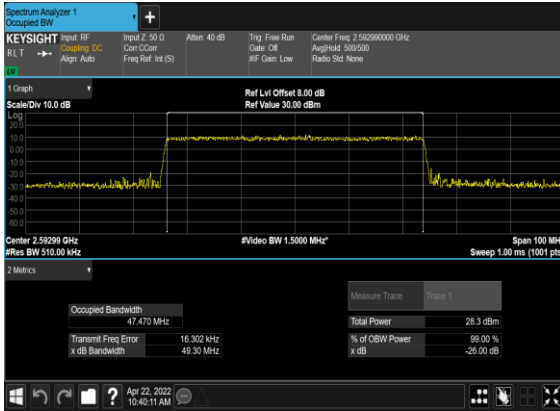
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BPSK_Outer_Full_Mid_CH



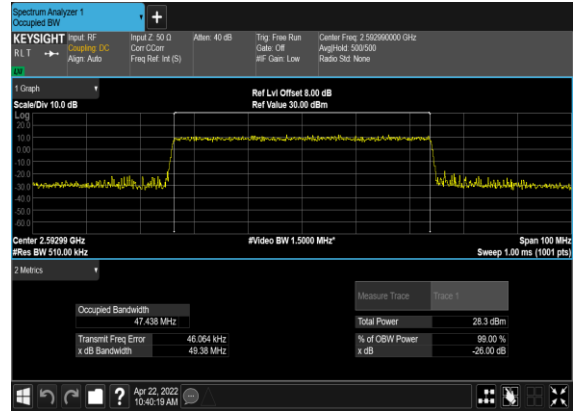
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OFDM_QPSK_Outer_Full_Mid_CH



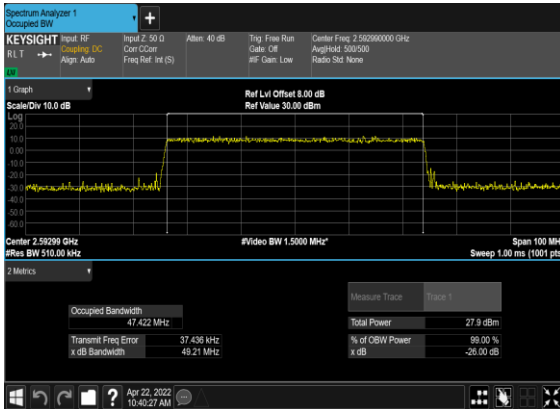
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OFDM_QPSK_Outer_Full_Mid_CH



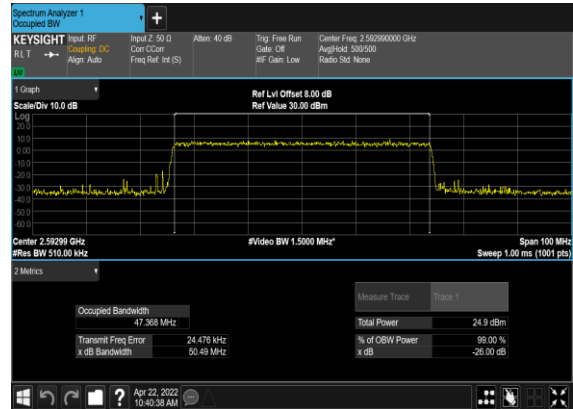
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QAM_Outer_Full_Mid_CH



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QAM_Outer_Full_Mid_CH



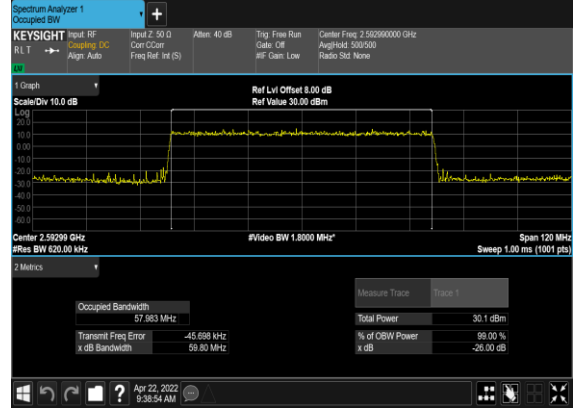
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QAM_Outer_Full_Mid_CH



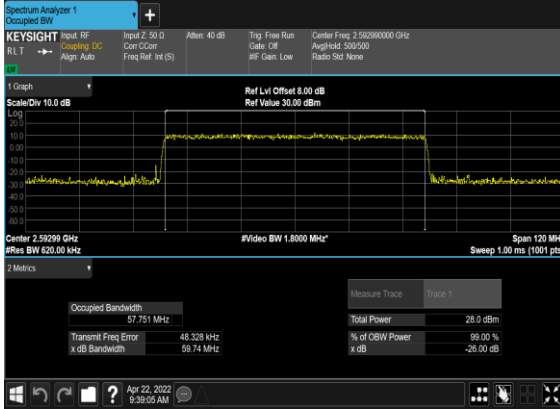
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BPSK_Outer_Full_Mid_CH



N41(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



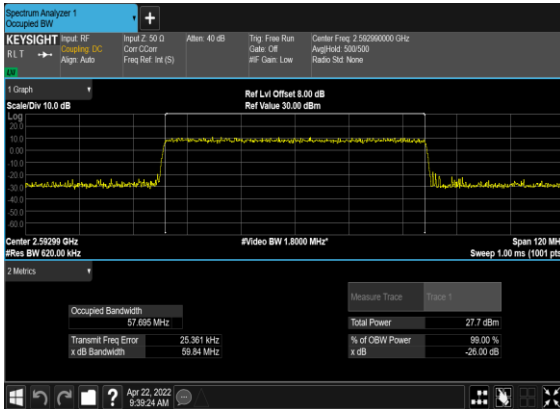
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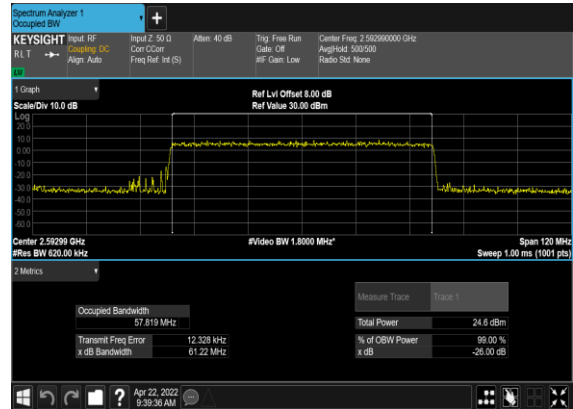
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QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



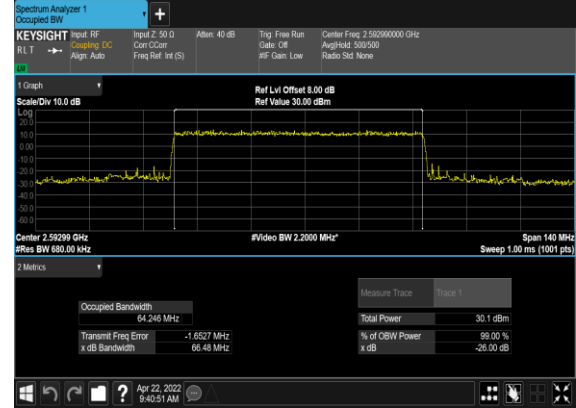
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QAM_Outer_Full_Mid_CH



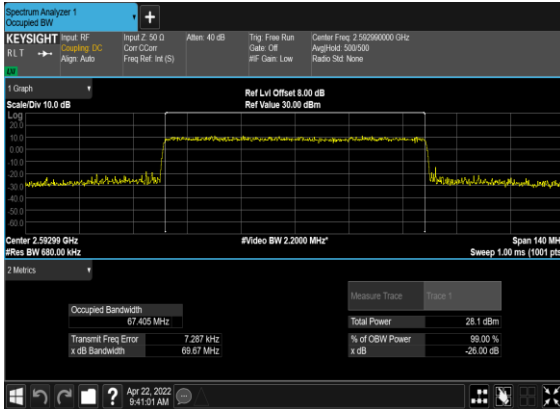
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BPSK_Outer_Full_Mid_CH



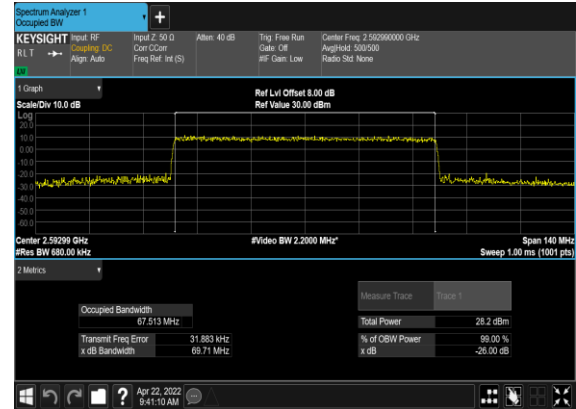
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OFDM_QPSK_Outer_Full_Mid_CH



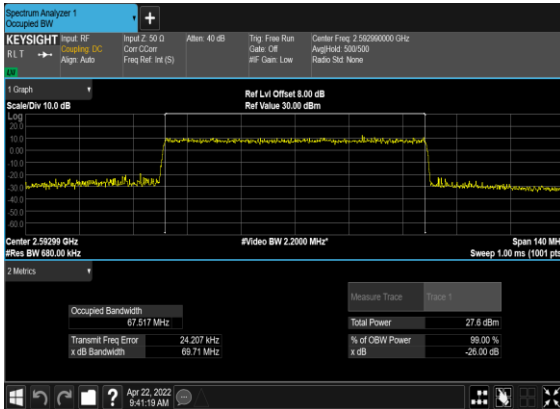
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OFDM_QPSK_Outer_Full_Mid_CH



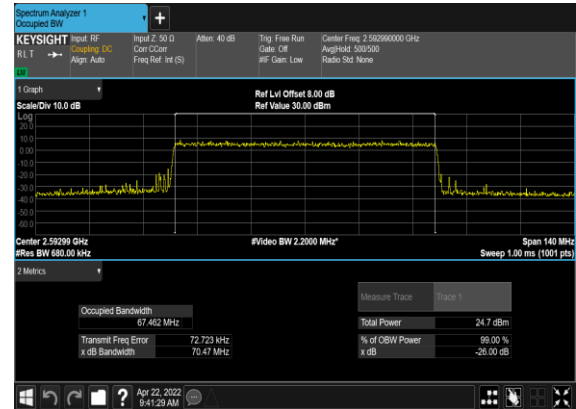
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QAM_Outer_Full_Mid_CH



N41(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



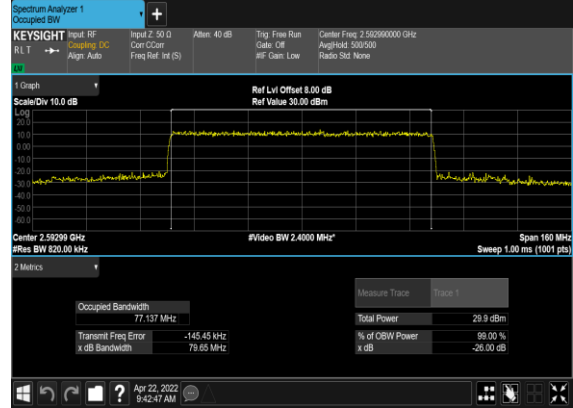
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QAM_Outer_Full_Mid_CH



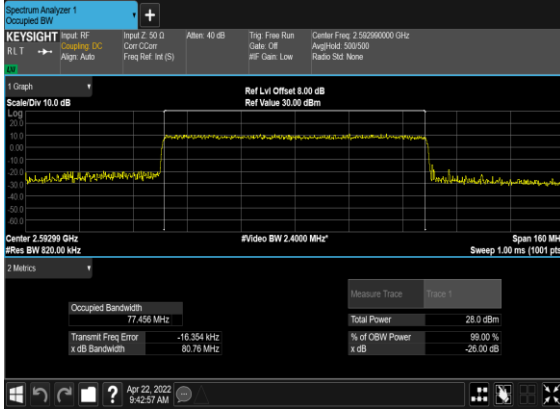
N41(80M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



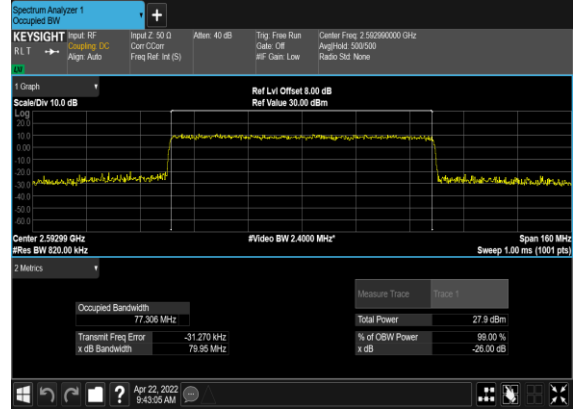
N41(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



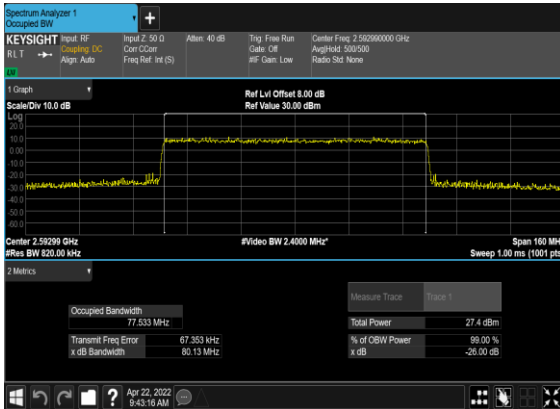
N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

