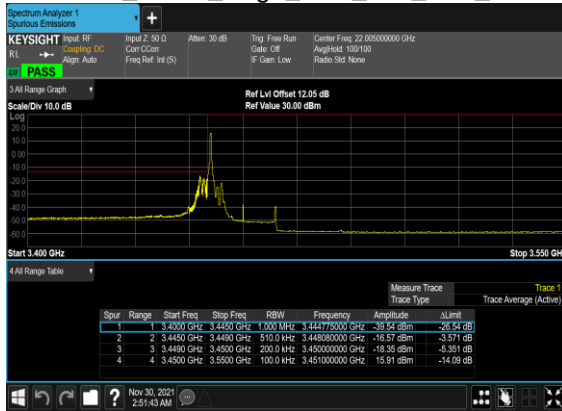
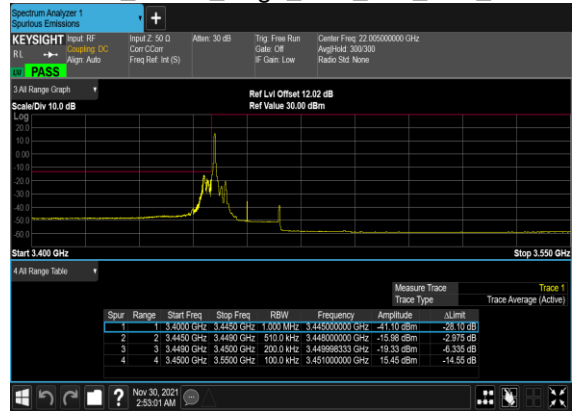


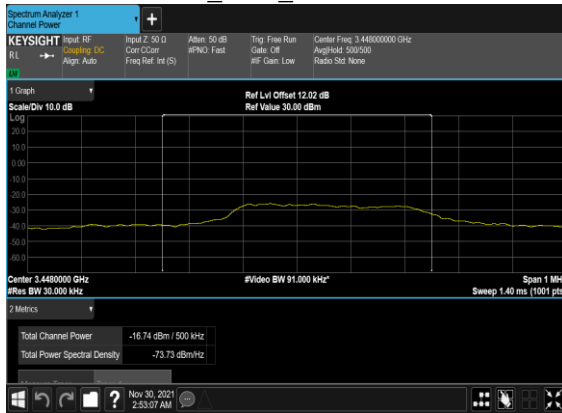
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



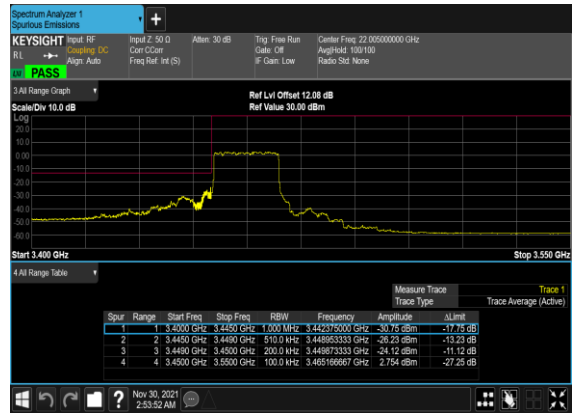
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



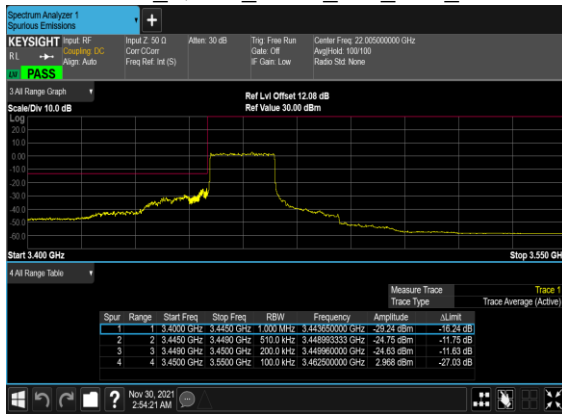
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH CHP PASS



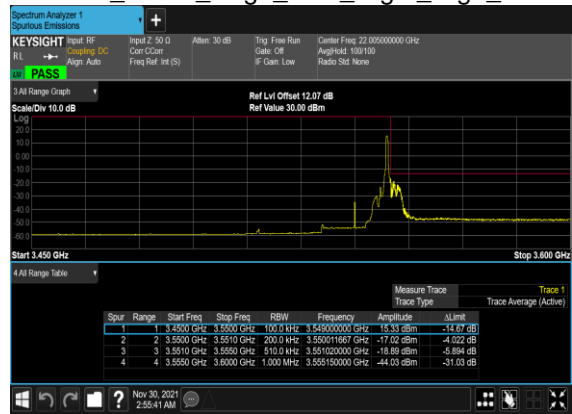
N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



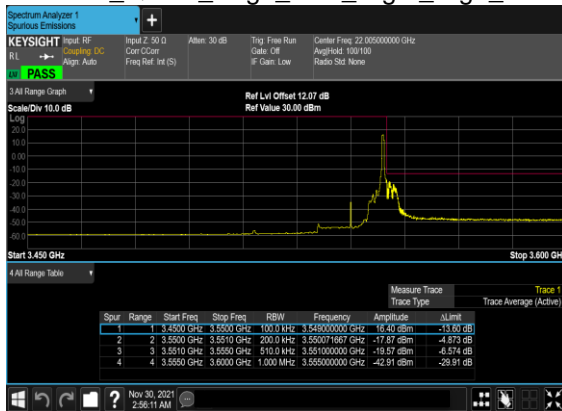
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



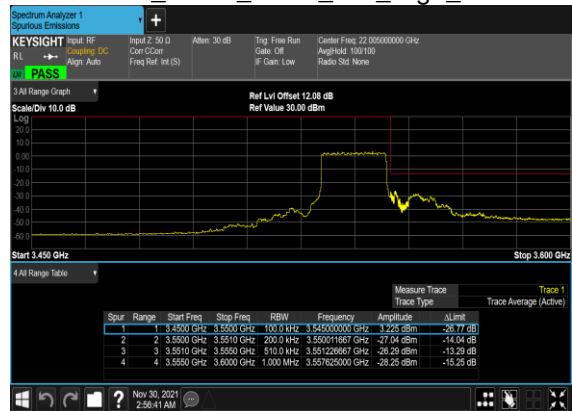
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



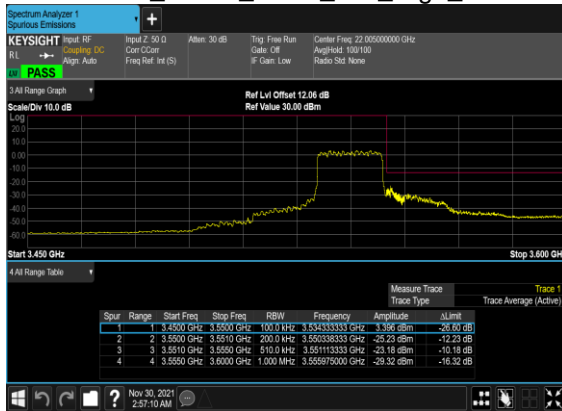
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



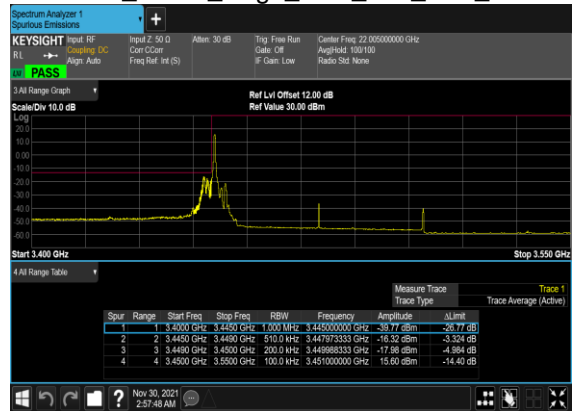
N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



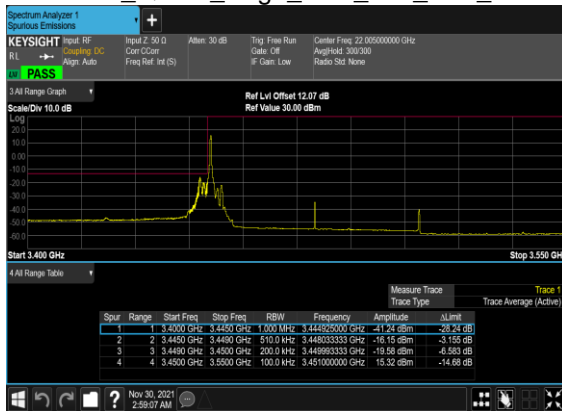
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



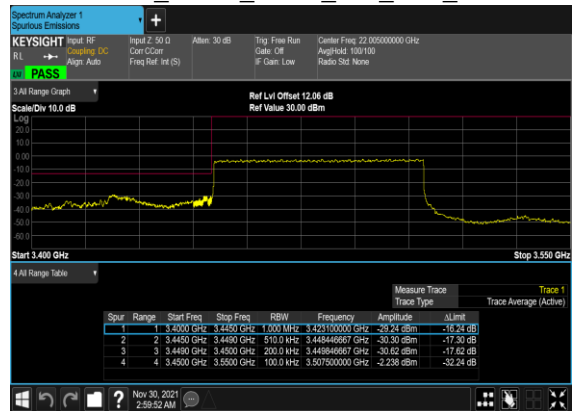
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



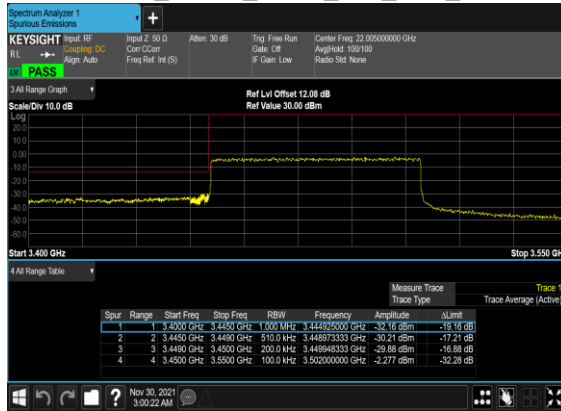
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



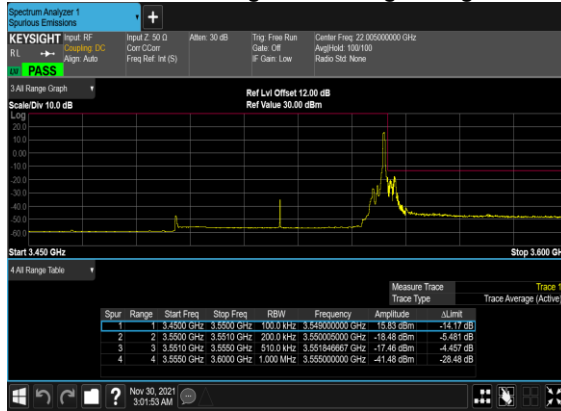
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



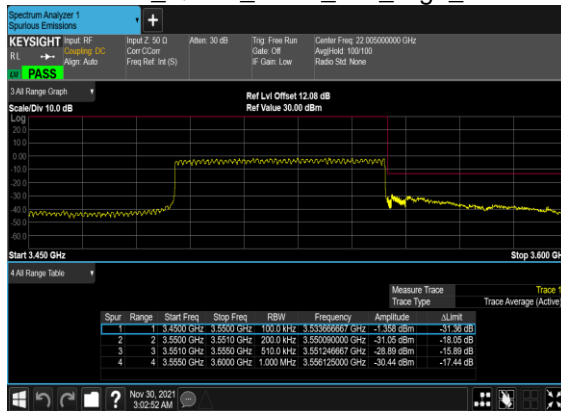
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



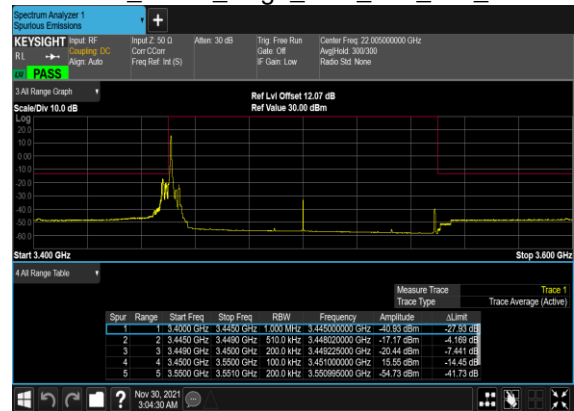
N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



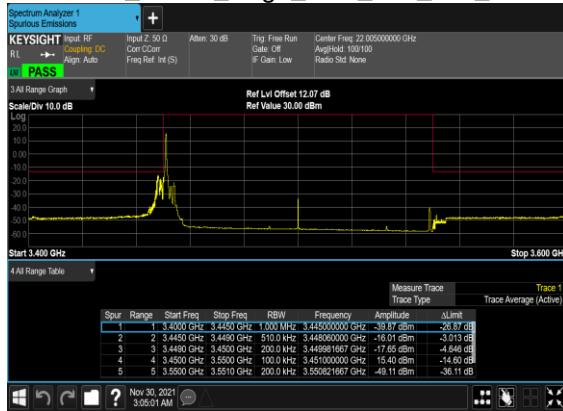
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



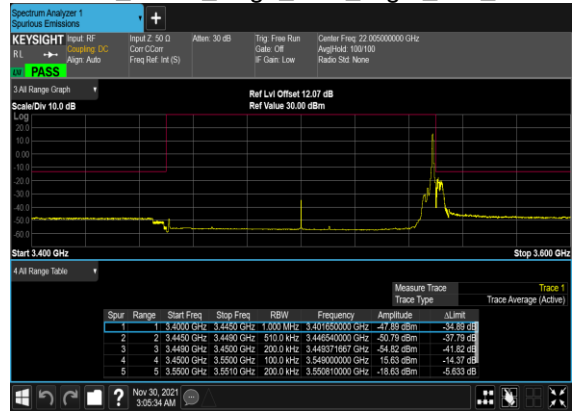
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



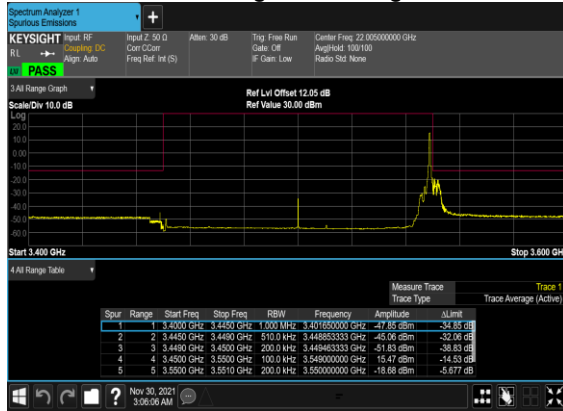
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



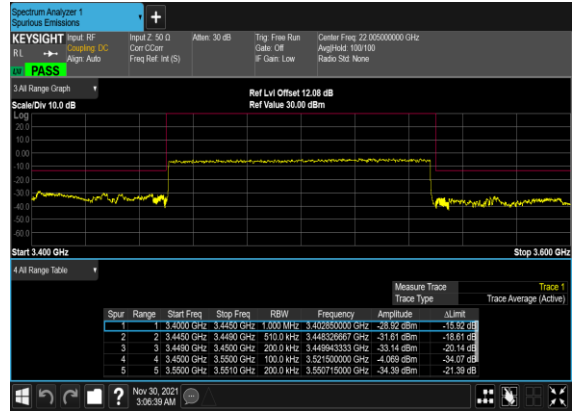
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



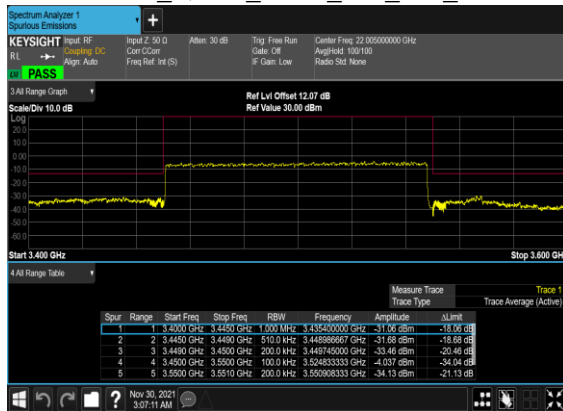
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78(ANT2)

Conducted Power and EIRP

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|-------------------------|-------|----------------------|------------|----------|
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 25@12 | 25.13 | 24.83 | 0.3041 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.15 | 24.85 | 0.3055 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 1@49 | 25.12 | 24.82 | 0.3034 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 25@12 | 25.16 | 24.86 | 0.3062 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@1 | 25.25 | 24.95 | 0.3126 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@49 | 25.11 | 24.81 | 0.3027 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 16 QAM | 25@12 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.93 | 24.63 | 0.2904 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 16 QAM | 1@49 | 24.75 | 24.45 | 0.2786 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 64 QAM | 25@12 | 23.28 | 22.98 | 0.1986 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 64 QAM | 1@1 | 23.51 | 23.21 | 0.2094 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 64 QAM | 1@49 | 23.35 | 23.05 | 0.2018 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 256 QAM | 25@12 | 21.22 | 20.92 | 0.1236 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 256 QAM | 1@1 | 21.05 | 20.75 | 0.1189 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 256 QAM | 1@49 | 21.18 | 20.88 | 0.1225 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM QPSK | 25@12 | 24.35 | 24.05 | 0.2541 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM QPSK | 1@1 | 24.36 | 24.06 | 0.2547 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM QPSK | 1@49 | 24.26 | 23.96 | 0.2489 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 25@12 | 24.95 | 24.65 | 0.2917 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.94 | 24.64 | 0.2911 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@49 | 24.82 | 24.52 | 0.2831 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 25@12 | 24.96 | 24.66 | 0.2924 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 24.96 | 24.66 | 0.2924 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@49 | 25.08 | 24.78 | 0.3006 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 25@12 | 24.62 | 24.32 | 0.2704 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.75 | 24.45 | 0.2786 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@49 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 25@12 | 23.16 | 22.86 | 0.1932 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.08 | 22.78 | 0.1897 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@49 | 23.06 | 22.76 | 0.1888 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM | 25@12 | 20.92 | 20.62 | 0.1153 |

| 256 QAM | | | | | | | | | |
|---------|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.86 | 20.56 | 0.1138 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@49 | 21 | 20.7 | 0.1175 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM QPSK | 25@12 | 24.16 | 23.86 | 0.2432 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.05 | 23.75 | 0.2371 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM QPSK | 1@49 | 24.1 | 23.8 | 0.2399 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM PI/2 BPSK | 25@12 | 25.27 | 24.97 | 0.3141 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.36 | 25.06 | 0.3206 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM PI/2 BPSK | 1@49 | 25.25 | 24.95 | 0.3126 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM QPSK | 25@12 | 25.29 | 24.99 | 0.3155 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM QPSK | 1@1 | 25.42 | 25.12 | 0.3251 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM QPSK | 1@49 | 25.28 | 24.98 | 0.3148 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 16 QAM | 25@12 | 24.89 | 24.59 | 0.2877 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 16 QAM | 1@1 | 25.04 | 24.74 | 0.2979 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 16 QAM | 1@49 | 24.95 | 24.65 | 0.2917 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 64 QAM | 25@12 | 23.43 | 23.13 | 0.2056 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 64 QAM | 1@1 | 23.59 | 23.29 | 0.2133 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 64 QAM | 1@49 | 23.44 | 23.14 | 0.2061 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 256 QAM | 25@12 | 21.33 | 21.03 | 0.1268 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 256 QAM | 1@1 | 21.35 | 21.05 | 0.1274 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 256 QAM | 1@49 | 21.24 | 20.94 | 0.1242 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM QPSK | 25@12 | 24.46 | 24.16 | 0.2606 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM QPSK | 1@1 | 24.52 | 24.22 | 0.2642 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM QPSK | 1@49 | 24.4 | 24.1 | 0.2570 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.23 | 24.93 | 0.3112 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.29 | 24.99 | 0.3155 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM PI/2 BPSK | 1@76 | 25.16 | 24.86 | 0.3062 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM QPSK | 36@18 | 25.12 | 24.82 | 0.3034 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM QPSK | 1@1 | 25.29 | 24.99 | 0.3155 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM QPSK | 1@76 | 24.99 | 24.69 | 0.2944 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 16 QAM | 36@18 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 16 QAM | 1@1 | 25 | 24.7 | 0.2951 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 16 QAM | 1@76 | 24.69 | 24.39 | 0.2748 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 64 QAM | 36@18 | 23.23 | 22.93 | 0.1963 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 64 QAM | 1@1 | 23.47 | 23.17 | 0.2075 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 64 QAM | 1@76 | 23.09 | 22.79 | 0.1901 |

| | | | | | | | | | |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 256 QAM | 36@18 | 21.31 | 21.01 | 0.1262 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 256 QAM | 1@1 | 21.15 | 20.85 | 0.1216 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 256 QAM | 1@76 | 20.93 | 20.63 | 0.1156 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM QPSK | 39@19 | 24.25 | 23.95 | 0.2483 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM QPSK | 1@1 | 24.4 | 24.1 | 0.2570 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM QPSK | 1@76 | 23.87 | 23.57 | 0.2275 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.02 | 24.72 | 0.2965 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.03 | 24.73 | 0.2972 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@76 | 25.15 | 24.85 | 0.3055 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 36@18 | 25.04 | 24.74 | 0.2979 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.11 | 24.81 | 0.3027 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@76 | 25.11 | 24.81 | 0.3027 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 36@18 | 24.64 | 24.34 | 0.2716 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.6 | 24.3 | 0.2692 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@76 | 24.77 | 24.47 | 0.2799 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 36@18 | 23.16 | 22.86 | 0.1932 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.13 | 22.83 | 0.1919 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@76 | 23.21 | 22.91 | 0.1954 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 36@18 | 21.03 | 20.73 | 0.1183 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.94 | 20.64 | 0.1159 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@76 | 21.15 | 20.85 | 0.1216 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM QPSK | 39@19 | 24.1 | 23.8 | 0.2399 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.23 | 23.93 | 0.2472 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM QPSK | 1@76 | 24.06 | 23.76 | 0.2377 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM PI/2 BPSK | 36@18 | 25.33 | 25.03 | 0.3184 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.34 | 25.04 | 0.3192 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM PI/2 BPSK | 1@76 | 25.27 | 24.97 | 0.3141 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM QPSK | 36@18 | 25.32 | 25.02 | 0.3177 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM QPSK | 1@1 | 25.46 | 25.16 | 0.3281 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM QPSK | 1@76 | 25.32 | 25.02 | 0.3177 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 16 QAM | 36@18 | 24.97 | 24.67 | 0.2931 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 16 QAM | 1@1 | 25.1 | 24.8 | 0.3020 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 16 QAM | 1@76 | 24.97 | 24.67 | 0.2931 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 64 QAM | 36@18 | 23.45 | 23.15 | 0.2065 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 64 QAM | 1@1 | 23.57 | 23.27 | 0.2123 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 64 QAM | 1@76 | 23.51 | 23.21 | 0.2094 |

| | | | | | | | | | |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 256 QAM | 36@18 | 21.38 | 21.08 | 0.1282 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 256 QAM | 1@1 | 21.41 | 21.11 | 0.1291 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 256 QAM | 1@76 | 21.12 | 20.82 | 0.1208 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM QPSK | 39@19 | 24.43 | 24.13 | 0.2588 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM QPSK | 1@1 | 24.39 | 24.09 | 0.2564 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM QPSK | 1@76 | 24.31 | 24.01 | 0.2518 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.22 | 24.92 | 0.3105 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.35 | 25.05 | 0.3199 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM PI/2 BPSK | 1@104 | 24.91 | 24.61 | 0.2891 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 50@25 | 25.13 | 24.83 | 0.3041 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 1@1 | 24.96 | 24.66 | 0.2924 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 1@104 | 24.95 | 24.65 | 0.2917 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 16 QAM | 50@25 | 24.7 | 24.4 | 0.2754 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 16 QAM | 1@1 | 25.11 | 24.81 | 0.3027 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 16 QAM | 1@104 | 24.67 | 24.37 | 0.2735 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 64 QAM | 50@25 | 23.25 | 22.95 | 0.1972 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.55 | 23.25 | 0.2113 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 64 QAM | 1@104 | 23.22 | 22.92 | 0.1959 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 256 QAM | 50@25 | 21.2 | 20.9 | 0.1230 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.39 | 21.09 | 0.1285 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 256 QAM | 1@104 | 20.9 | 20.6 | 0.1148 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM QPSK | 53@26 | 24.19 | 23.89 | 0.2449 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM QPSK | 1@1 | 24.5 | 24.2 | 0.2630 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM QPSK | 1@104 | 24.09 | 23.79 | 0.2393 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.03 | 24.73 | 0.2972 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.1 | 24.8 | 0.3020 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@104 | 25.23 | 24.93 | 0.3112 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@25 | 25.06 | 24.76 | 0.2992 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.21 | 24.91 | 0.3097 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@104 | 25.26 | 24.96 | 0.3133 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 50@25 | 24.66 | 24.36 | 0.2729 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.81 | 24.51 | 0.2825 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@104 | 24.92 | 24.62 | 0.2897 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 50@25 | 23.2 | 22.9 | 0.1950 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.22 | 22.92 | 0.1959 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@104 | 23.41 | 23.11 | 0.2046 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 50@25 | 21.02 | 20.72 | 0.1180 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.1 | 20.8 | 0.1202 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@104 | 21.23 | 20.93 | 0.1239 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM QPSK | 53@26 | 24.16 | 23.86 | 0.2432 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.08 | 23.78 | 0.2388 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM QPSK | 1@104 | 24.37 | 24.07 | 0.2553 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM PI/2 BPSK | 50@25 | 25.34 | 25.04 | 0.3192 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.32 | 25.02 | 0.3177 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM PI/2 BPSK | 1@104 | 25.29 | 24.99 | 0.3155 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 50@25 | 25.36 | 25.06 | 0.3206 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 1@1 | 25.31 | 25.01 | 0.3170 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 1@104 | 25.31 | 25.01 | 0.3170 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 16 QAM | 50@25 | 24.92 | 24.62 | 0.2897 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.99 | 24.69 | 0.2944 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 16 QAM | 1@104 | 24.89 | 24.59 | 0.2877 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 64 QAM | 50@25 | 23.47 | 23.17 | 0.2075 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 64 QAM | 1@1 | 23.42 | 23.12 | 0.2051 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 64 QAM | 1@104 | 23.36 | 23.06 | 0.2023 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 256 QAM | 50@25 | 21.37 | 21.07 | 0.1279 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 256 QAM | 1@1 | 21.18 | 20.88 | 0.1225 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 256 QAM | 1@104 | 21.11 | 20.81 | 0.1205 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM QPSK | 53@26 | 24.47 | 24.17 | 0.2612 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM QPSK | 1@1 | 24.31 | 24.01 | 0.2518 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM QPSK | 1@104 | 24.41 | 24.11 | 0.2576 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM PI/2 BPSK | 64@32 | 24.97 | 24.67 | 0.2931 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.1 | 24.8 | 0.3020 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM PI/2 BPSK | 1@131 | 24.99 | 24.69 | 0.2944 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 64@32 | 24.92 | 24.62 | 0.2897 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@1 | 25.05 | 24.75 | 0.2985 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@131 | 24.76 | 24.46 | 0.2793 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 16 QAM | 64@32 | 24.56 | 24.26 | 0.2667 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.86 | 24.56 | 0.2858 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 16 QAM | 1@131 | 24.48 | 24.18 | 0.2618 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 64 QAM | 64@32 | 23.14 | 22.84 | 0.1923 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 64 QAM | 1@1 | 23.27 | 22.97 | 0.1982 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 64 QAM | 1@131 | 22.9 | 22.6 | 0.1820 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 256 QAM | 64@32 | 21.14 | 20.84 | 0.1213 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 256 QAM | 1@1 | 21.16 | 20.86 | 0.1219 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 256 QAM | 1@131 | 20.75 | 20.45 | 0.1109 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM QPSK | 67@33 | 24.07 | 23.77 | 0.2382 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM QPSK | 1@1 | 24.29 | 23.99 | 0.2506 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM QPSK | 1@131 | 23.91 | 23.61 | 0.2296 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 64@32 | 24.94 | 24.64 | 0.2911 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.88 | 24.58 | 0.2871 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@131 | 24.79 | 24.49 | 0.2812 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 64@32 | 24.89 | 24.59 | 0.2877 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 24.93 | 24.63 | 0.2904 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@131 | 25.11 | 24.81 | 0.3027 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 64@32 | 24.6 | 24.3 | 0.2692 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.72 | 24.42 | 0.2767 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@131 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 64@32 | 23.04 | 22.74 | 0.1879 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.07 | 22.77 | 0.1892 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@131 | 23.26 | 22.96 | 0.1977 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 64@32 | 20.95 | 20.65 | 0.1161 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.85 | 20.55 | 0.1135 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@131 | 21.03 | 20.73 | 0.1183 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM QPSK | 67@33 | 24.05 | 23.75 | 0.2371 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 23.96 | 23.66 | 0.2323 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM QPSK | 1@131 | 24.19 | 23.89 | 0.2449 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM PI/2 BPSK | 64@32 | 25.11 | 24.81 | 0.3027 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.97 | 24.67 | 0.2931 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM PI/2 BPSK | 1@131 | 25.24 | 24.94 | 0.3119 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM QPSK | 64@32 | 25.21 | 24.91 | 0.3097 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM QPSK | 1@1 | 24.93 | 24.63 | 0.2904 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM QPSK | 1@131 | 25.04 | 24.74 | 0.2979 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 16 QAM | 64@32 | 24.85 | 24.55 | 0.2851 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 16 QAM | 1@1 | 24.64 | 24.34 | 0.2716 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 16 QAM | 1@131 | 24.72 | 24.42 | 0.2767 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 64 QAM | 64@32 | 23.32 | 23.02 | 0.2004 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 64 QAM | 1@1 | 23.05 | 22.75 | 0.1884 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 64 QAM | 1@131 | 23.16 | 22.86 | 0.1932 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 256 QAM | 64@32 | 21.26 | 20.96 | 0.1247 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 256 QAM | 1@1 | 20.9 | 20.6 | 0.1148 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 256 QAM | 1@131 | 21.12 | 20.82 | 0.1208 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM QPSK | 67@33 | 24.34 | 24.04 | 0.2535 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM QPSK | 1@1 | 24.23 | 23.93 | 0.2472 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM QPSK | 1@131 | 24.2 | 23.9 | 0.2455 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM PI/2 BPSK | 81@40 | 24.9 | 24.6 | 0.2884 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.22 | 24.92 | 0.3105 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM PI/2 BPSK | 1@160 | 25.16 | 24.86 | 0.3062 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM QPSK | 81@40 | 24.95 | 24.65 | 0.2917 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM QPSK | 1@1 | 25.2 | 24.9 | 0.3090 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM QPSK | 1@160 | 24.92 | 24.62 | 0.2897 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 16 QAM | 81@40 | 24.55 | 24.25 | 0.2661 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 16 QAM | 1@1 | 24.85 | 24.55 | 0.2851 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 16 QAM | 1@160 | 24.57 | 24.27 | 0.2673 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 64 QAM | 81@40 | 22.98 | 22.68 | 0.1854 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 64 QAM | 1@1 | 23.35 | 23.05 | 0.2018 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 64 QAM | 1@160 | 23.28 | 22.98 | 0.1986 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 256 QAM | 81@40 | 21.11 | 20.81 | 0.1205 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 256 QAM | 1@1 | 21.19 | 20.89 | 0.1227 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 256 QAM | 1@160 | 20.88 | 20.58 | 0.1143 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM QPSK | 81@40 | 24.07 | 23.77 | 0.2382 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM QPSK | 1@1 | 24.16 | 23.86 | 0.2432 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM QPSK | 1@160 | 23.92 | 23.62 | 0.2301 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 81@40 | 24.93 | 24.63 | 0.2904 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.08 | 24.78 | 0.3006 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@160 | 25.01 | 24.71 | 0.2958 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 81@40 | 24.93 | 24.63 | 0.2904 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.1 | 24.8 | 0.3020 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@160 | 25.06 | 24.76 | 0.2992 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 81@40 | 24.55 | 24.25 | 0.2661 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@160 | 24.67 | 24.37 | 0.2735 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 81@40 | 23.04 | 22.74 | 0.1879 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.03 | 22.73 | 0.1875 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@160 | 22.96 | 22.66 | 0.1845 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 81@40 | 21.06 | 20.76 | 0.1191 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.01 | 20.71 | 0.1178 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@160 | 21.03 | 20.73 | 0.1183 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM QPSK | 81@40 | 24.05 | 23.75 | 0.2371 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.21 | 23.91 | 0.2460 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM QPSK | 1@160 | 24.16 | 23.86 | 0.2432 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM PI/2 BPSK | 81@40 | 25.13 | 24.83 | 0.3041 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.97 | 24.67 | 0.2931 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM PI/2 BPSK | 1@160 | 25.03 | 24.73 | 0.2972 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 81@40 | 25.17 | 24.87 | 0.3069 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 1@1 | 25.02 | 24.72 | 0.2965 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 1@160 | 25.01 | 24.71 | 0.2958 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 16 QAM | 81@40 | 24.71 | 24.41 | 0.2761 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.65 | 24.35 | 0.2723 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 16 QAM | 1@160 | 24.68 | 24.38 | 0.2742 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 64 QAM | 81@40 | 23.19 | 22.89 | 0.1945 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 64 QAM | 1@1 | 23.11 | 22.81 | 0.1910 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 64 QAM | 1@160 | 23.16 | 22.86 | 0.1932 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 256 QAM | 81@40 | 21.23 | 20.93 | 0.1239 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.76 | 20.46 | 0.1112 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 256 QAM | 1@160 | 20.85 | 20.55 | 0.1135 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM QPSK | 81@40 | 24.25 | 23.95 | 0.2483 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM QPSK | 1@1 | 23.96 | 23.66 | 0.2323 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM QPSK | 1@160 | 24.18 | 23.88 | 0.2443 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM PI/2 BPSK | 90@45 | 24.92 | 24.62 | 0.2897 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.04 | 24.74 | 0.2979 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM PI/2 BPSK | 1@187 | 24.73 | 24.43 | 0.2773 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM QPSK | 90@45 | 24.77 | 24.47 | 0.2799 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM QPSK | 1@1 | 25.05 | 24.75 | 0.2985 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM QPSK | 1@187 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 16 QAM | 90@45 | 24.31 | 24.01 | 0.2518 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.81 | 24.51 | 0.2825 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 16 QAM | 1@187 | 24.51 | 24.21 | 0.2636 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 64 QAM | 90@45 | 22.89 | 22.59 | 0.1816 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.27 | 22.97 | 0.1982 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 64 QAM | 1@187 | 22.88 | 22.58 | 0.1811 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 256 QAM | 90@45 | 20.83 | 20.53 | 0.1130 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 256 QAM | 1@1 | 21 | 20.7 | 0.1175 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 256 QAM | 1@187 | 20.61 | 20.31 | 0.1074 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM QPSK | 95@47 | 23.84 | 23.54 | 0.2259 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM QPSK | 1@1 | 24.12 | 23.82 | 0.2410 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM QPSK | 1@187 | 23.82 | 23.52 | 0.2249 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 90@45 | 24.89 | 24.59 | 0.2877 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25 | 24.7 | 0.2951 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@187 | 24.81 | 24.51 | 0.2825 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 90@45 | 24.75 | 24.45 | 0.2786 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.07 | 24.77 | 0.2999 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@187 | 24.82 | 24.52 | 0.2831 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 90@45 | 24.44 | 24.14 | 0.2594 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.59 | 24.29 | 0.2685 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@187 | 24.47 | 24.17 | 0.2612 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 90@45 | 22.92 | 22.62 | 0.1828 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.26 | 22.96 | 0.1977 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@187 | 23.02 | 22.72 | 0.1871 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 90@45 | 20.89 | 20.59 | 0.1146 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.91 | 20.61 | 0.1151 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@187 | 20.74 | 20.44 | 0.1107 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM QPSK | 95@47 | 23.92 | 23.62 | 0.2301 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.16 | 23.86 | 0.2432 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM QPSK | 1@187 | 24.14 | 23.84 | 0.2421 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM PI/2 BPSK | 90@45 | 24.92 | 24.62 | 0.2897 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.89 | 24.59 | 0.2877 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM PI/2 BPSK | 1@187 | 24.83 | 24.53 | 0.2838 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM QPSK | 90@45 | 25 | 24.7 | 0.2951 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM QPSK | 1@1 | 24.88 | 24.58 | 0.2871 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM QPSK | 1@187 | 24.84 | 24.54 | 0.2844 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 16 QAM | 90@45 | 24.6 | 24.3 | 0.2692 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 16 QAM | 1@1 | 24.64 | 24.34 | 0.2716 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 16 QAM | 1@187 | 24.36 | 24.06 | 0.2547 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 64 QAM | 90@45 | 23.19 | 22.89 | 0.1945 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 64 QAM | 1@1 | 23.12 | 22.82 | 0.1914 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 64 QAM | 1@187 | 23.01 | 22.71 | 0.1866 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 256 QAM | 90@45 | 21.06 | 20.76 | 0.1191 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 256 QAM | 1@1 | 20.81 | 20.51 | 0.1125 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 256 QAM | 1@187 | 20.83 | 20.53 | 0.1130 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM QPSK | 95@47 | 24.15 | 23.85 | 0.2427 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM QPSK | 1@1 | 24.03 | 23.73 | 0.2360 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM QPSK | 1@187 | 24.08 | 23.78 | 0.2388 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM PI/2 BPSK | 108@54 | 25.24 | 24.94 | 0.3119 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.04 | 24.74 | 0.2979 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM PI/2 BPSK | 1@215 | 25.52 | 25.22 | 0.3327 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 108@54 | 24.77 | 24.47 | 0.2799 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 1@1 | 25.1 | 24.8 | 0.3020 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 1@215 | 24.9 | 24.6 | 0.2884 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 16 QAM | 108@54 | 24.4 | 24.1 | 0.2570 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 16 QAM | 1@1 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 16 QAM | 1@215 | 24.64 | 24.34 | 0.2716 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 64 QAM | 108@54 | 22.93 | 22.63 | 0.1832 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 64 QAM | 1@1 | 23.28 | 22.98 | 0.1986 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 64 QAM | 1@215 | 22.9 | 22.6 | 0.1820 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 256 QAM | 108@54 | 20.85 | 20.55 | 0.1135 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 256 QAM | 1@1 | 20.88 | 20.58 | 0.1143 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 256 QAM | 1@215 | 20.99 | 20.69 | 0.1172 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM QPSK | 109@54 | 23.91 | 23.61 | 0.2296 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM QPSK | 1@1 | 24.19 | 23.89 | 0.2449 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM QPSK | 1@215 | 24.03 | 23.73 | 0.2360 |
| 78 | 30 | 80 | 633334 | 3490.02 | DFT-s-OFDM PI/2 BPSK | 108@54 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.92 | 24.62 | 0.2897 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@215 | 24.91 | 24.61 | 0.2891 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 108@54 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.02 | 24.72 | 0.2965 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@215 | 24.85 | 24.55 | 0.2851 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 108@54 | 24.48 | 24.18 | 0.2618 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.69 | 24.39 | 0.2748 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@215 | 24.65 | 24.35 | 0.2723 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 108@54 | 22.97 | 22.67 | 0.1849 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.18 | 22.88 | 0.1941 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@215 | 23.07 | 22.77 | 0.1892 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 108@54 | 20.96 | 20.66 | 0.1164 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.94 | 20.64 | 0.1159 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@215 | 20.94 | 20.64 | 0.1159 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM QPSK | 109@54 | 23.91 | 23.61 | 0.2296 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.01 | 23.71 | 0.2350 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM QPSK | 1@215 | 23.96 | 23.66 | 0.2323 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM PI/2 BPSK | 108@54 | 24.93 | 24.63 | 0.2904 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM PI/2 BPSK | 1@1 | 24.88 | 24.58 | 0.2871 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM PI/2 BPSK | 1@215 | 24.81 | 24.51 | 0.2825 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM QPSK | 108@54 | 24.94 | 24.64 | 0.2911 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM QPSK | 1@1 | 24.94 | 24.64 | 0.2911 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM QPSK | 1@215 | 24.87 | 24.57 | 0.2864 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 16 QAM | 108@54 | 24.6 | 24.3 | 0.2692 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 16 QAM | 1@1 | 24.62 | 24.32 | 0.2704 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 16 QAM | 1@215 | 24.48 | 24.18 | 0.2618 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 64 QAM | 108@54 | 23.04 | 22.74 | 0.1879 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 64 QAM | 1@1 | 23.21 | 22.91 | 0.1954 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 64 QAM | 1@215 | 23.02 | 22.72 | 0.1871 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 256 QAM | 108@54 | 21 | 20.7 | 0.1175 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 256 QAM | 1@1 | 20.76 | 20.46 | 0.1112 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 256 QAM | 1@215 | 20.68 | 20.38 | 0.1091 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM QPSK | 109@54 | 24.02 | 23.72 | 0.2355 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM QPSK | 1@1 | 24.08 | 23.78 | 0.2388 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM QPSK | 1@215 | 23.99 | 23.69 | 0.2339 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM PI/2 BPSK | 120@60 | 24.87 | 24.57 | 0.2864 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.07 | 24.77 | 0.2999 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM PI/2 BPSK | 1@243 | 24.85 | 24.55 | 0.2851 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM QPSK | 120@60 | 24.82 | 24.52 | 0.2831 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM QPSK | 1@1 | 25.07 | 24.77 | 0.2999 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM QPSK | 1@243 | 24.84 | 24.54 | 0.2844 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 16 QAM | 120@60 | 24.45 | 24.15 | 0.2600 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 16 QAM | 1@1 | 24.8 | 24.5 | 0.2818 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 16 QAM | 1@243 | 24.66 | 24.36 | 0.2729 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 64 QAM | 120@60 | 22.96 | 22.66 | 0.1845 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 64 QAM | 1@1 | 23.23 | 22.93 | 0.1963 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 64 QAM | 1@243 | 23.11 | 22.81 | 0.1910 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 256 QAM | 120@60 | 20.88 | 20.58 | 0.1143 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 256 QAM | 1@1 | 20.89 | 20.59 | 0.1146 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 256 QAM | 1@243 | 20.65 | 20.35 | 0.1084 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM QPSK | 123@61 | 23.94 | 23.64 | 0.2312 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM QPSK | 1@1 | 24.24 | 23.94 | 0.2477 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM QPSK | 1@243 | 24.11 | 23.81 | 0.2404 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 120@60 | 24.85 | 24.55 | 0.2851 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.66 | 25.36 | 0.3436 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@243 | 25.34 | 25.04 | 0.3192 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 120@60 | 24.82 | 24.52 | 0.2831 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.12 | 24.82 | 0.3034 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@243 | 24.87 | 24.57 | 0.2864 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 120@60 | 24.48 | 24.18 | 0.2618 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.79 | 24.49 | 0.2812 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@243 | 24.58 | 24.28 | 0.2679 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 120@60 | 22.98 | 22.68 | 0.1854 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.17 | 22.87 | 0.1936 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@243 | 23.1 | 22.8 | 0.1905 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 120@60 | 20.9 | 20.6 | 0.1148 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 20.84 | 20.54 | 0.1132 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@243 | 20.72 | 20.42 | 0.1102 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM QPSK | 123@61 | 24.02 | 23.72 | 0.2355 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.36 | 24.06 | 0.2547 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM QPSK | 1@243 | 24.05 | 23.75 | 0.2371 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM PI/2 BPSK | 120@60 | 24.94 | 24.64 | 0.2911 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25.06 | 24.76 | 0.2992 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM PI/2 BPSK | 1@243 | 24.88 | 24.58 | 0.2871 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM QPSK | 120@60 | 24.94 | 24.64 | 0.2911 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM QPSK | 1@1 | 25.09 | 24.79 | 0.3013 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM QPSK | 1@243 | 24.89 | 24.59 | 0.2877 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 16 QAM | 120@60 | 24.54 | 24.24 | 0.2655 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 16 QAM | 1@1 | 24.67 | 24.37 | 0.2735 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 16 QAM | 1@243 | 24.5 | 24.2 | 0.2630 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 64 QAM | 120@60 | 23.06 | 22.76 | 0.1888 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 64 QAM | 1@1 | 23.31 | 23.01 | 0.2000 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 64 QAM | 1@243 | 23.15 | 22.85 | 0.1928 |

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|----|----|-----|--------|---------|-------------------------|--------|-------|-------|--------|
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 256 QAM | 120@60 | 20.98 | 20.68 | 0.1169 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 256 QAM | 1@1 | 20.88 | 20.58 | 0.1143 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 256 QAM | 1@243 | 20.9 | 20.6 | 0.1148 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM QPSK | 123@61 | 24.02 | 23.72 | 0.2355 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM QPSK | 1@1 | 24.16 | 23.86 | 0.2432 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM QPSK | 1@243 | 23.95 | 23.65 | 0.2317 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.26 | 24.96 | 0.3133 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 25 | 24.7 | 0.2951 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@271 | 25.5 | 25.2 | 0.3311 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 135@67 | 24.9 | 24.6 | 0.2884 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 25.07 | 24.77 | 0.2999 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@271 | 24.95 | 24.65 | 0.2917 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 135@67 | 24.49 | 24.19 | 0.2624 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 24.73 | 24.43 | 0.2773 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@271 | 24.62 | 24.32 | 0.2704 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 135@67 | 22.97 | 22.67 | 0.1849 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 23.35 | 23.05 | 0.2018 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@271 | 23.16 | 22.86 | 0.1932 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 135@67 | 20.96 | 20.66 | 0.1164 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 21.08 | 20.78 | 0.1197 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@271 | 20.83 | 20.53 | 0.1130 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 137@68 | 23.98 | 23.68 | 0.2333 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 24.22 | 23.92 | 0.2466 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 1@271 | 23.98 | 23.68 | 0.2333 |

FR1 N78 UL MIMO(ANT2+ANT7)

Conducted Power and EIRP, ($G_T - L_C$)= 2.76dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | ANT2 Power (dBm) | ANT7 Power (dBm) | Conducted Power (dBm) | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|-------------------------|-------|------------------|------------------|-----------------------|------------|----------|
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 25@12 | 22.14 | 22.72 | 25.45 | 28.21 | 0.6622 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.2 | 22.89 | 25.57 | 28.33 | 0.6806 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 1@49 | 22.12 | 22.72 | 25.44 | 28.20 | 0.6608 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 25@12 | 22.17 | 22.77 | 25.49 | 28.25 | 0.6684 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@1 | 22.19 | 22.84 | 25.54 | 28.30 | 0.6757 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@49 | 22.13 | 22.67 | 25.42 | 28.18 | 0.6575 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 16 QAM | 25@12 | 21.81 | 22.4 | 25.13 | 27.89 | 0.6145 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 16 QAM | 1@1 | 21.8 | 22.39 | 25.12 | 27.88 | 0.6131 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 16 QAM | 1@49 | 21.74 | 22.28 | 25.03 | 27.79 | 0.6010 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 64 QAM | 25@12 | 20.34 | 20.88 | 23.63 | 26.39 | 0.4354 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 64 QAM | 1@1 | 20.41 | 21.06 | 23.76 | 26.52 | 0.4485 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 64 QAM | 1@49 | 20.41 | 20.9 | 23.67 | 26.43 | 0.4398 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 256 QAM | 25@12 | 18.29 | 18.84 | 21.58 | 24.34 | 0.2719 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 256 QAM | 1@1 | 18.18 | 18.94 | 21.59 | 24.35 | 0.2721 |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM 256 QAM | 1@49 | 18.16 | 18.77 | 21.49 | 24.25 | 0.2658 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM QPSK | 25@12 | 21.31 | 21.88 | 24.61 | 27.37 | 0.5463 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM QPSK | 1@1 | 21.16 | 21.8 | 24.50 | 27.26 | 0.5324 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM QPSK | 1@49 | 21.29 | 21.75 | 24.54 | 27.30 | 0.5366 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 16 QAM | 25@12 | 20.86 | 21.32 | 24.11 | 26.87 | 0.4860 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 16 QAM | 1@1 | 20.58 | 21.2 | 23.91 | 26.67 | 0.4647 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 16 QAM | 1@49 | 20.58 | 21.04 | 23.83 | 26.59 | 0.4557 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 64 QAM | 25@12 | 19.35 | 19.88 | 22.63 | 25.39 | 0.3462 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 64 QAM | 1@1 | 19.42 | 20.06 | 22.76 | 25.52 | 0.3566 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 64 QAM | 1@49 | 19.29 | 19.72 | 22.52 | 25.28 | 0.3373 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 256 QAM | 25@12 | 16.32 | 16.93 | 19.65 | 22.41 | 0.1740 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 256 QAM | 1@1 | 16.28 | 16.84 | 19.58 | 22.34 | 0.1714 |
| 78 | 30 | 20 | 630668 | 3460.02 | CP-OFDM 256 QAM | 1@49 | 16.07 | 16.65 | 19.38 | 22.14 | 0.1637 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 25@12 | 22.14 | 22.63 | 25.40 | 28.16 | 0.6550 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.18 | 22.6 | 25.41 | 28.17 | 0.6554 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@49 | 22.13 | 22.52 | 25.34 | 28.10 | 0.6456 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM | 25@12 | 22.2 | 22.61 | 25.42 | 28.18 | 0.6577 |

| QPSK | | | | | | | | | | | |
|------|----|----|--------|---------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.1 | 22.58 | 25.36 | 28.12 | 0.6482 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@49 | 22.19 | 22.51 | 25.36 | 28.12 | 0.6491 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 25@12 | 21.78 | 22.12 | 24.96 | 27.72 | 0.5921 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.72 | 22.09 | 24.92 | 27.68 | 0.5860 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@49 | 21.8 | 21.92 | 24.87 | 27.63 | 0.5795 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 25@12 | 20.24 | 20.62 | 23.44 | 26.20 | 0.4173 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.4 | 20.91 | 23.67 | 26.43 | 0.4398 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@49 | 20.49 | 20.82 | 23.67 | 26.43 | 0.4394 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 25@12 | 18.24 | 18.67 | 21.47 | 24.23 | 0.2649 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.27 | 18.81 | 21.56 | 24.32 | 0.2703 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@49 | 18.28 | 18.73 | 21.52 | 24.28 | 0.2680 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM QPSK | 25@12 | 21.22 | 21.78 | 24.52 | 27.28 | 0.5345 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.2 | 21.64 | 24.44 | 27.20 | 0.5243 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM QPSK | 1@49 | 21.37 | 21.73 | 24.56 | 27.32 | 0.5400 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 16 QAM | 25@12 | 20.69 | 21.23 | 23.98 | 26.74 | 0.4719 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.7 | 21.17 | 23.95 | 26.71 | 0.4690 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@49 | 20.71 | 20.99 | 23.86 | 26.62 | 0.4595 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 64 QAM | 25@12 | 19.3 | 19.77 | 22.55 | 25.31 | 0.3398 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.29 | 19.72 | 22.52 | 25.28 | 0.3373 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@49 | 19.29 | 19.55 | 22.43 | 25.19 | 0.3305 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 256 QAM | 25@12 | 16.29 | 16.79 | 19.56 | 22.32 | 0.1705 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.19 | 16.63 | 19.43 | 22.19 | 0.1654 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@49 | 16.21 | 16.46 | 19.35 | 22.11 | 0.1624 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM PI/2 BPSK | 25@12 | 22.98 | 23.29 | 26.15 | 28.91 | 0.7777 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM PI/2 BPSK | 1@1 | 23.03 | 23.25 | 26.15 | 28.91 | 0.7783 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM PI/2 BPSK | 1@49 | 22.96 | 23.13 | 26.06 | 28.82 | 0.7614 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM QPSK | 25@12 | 22.37 | 22.59 | 25.49 | 28.25 | 0.6686 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM QPSK | 1@1 | 22.44 | 22.63 | 25.55 | 28.31 | 0.6771 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM QPSK | 1@49 | 22.38 | 22.48 | 25.44 | 28.20 | 0.6608 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 16 QAM | 25@12 | 22.01 | 22.14 | 25.09 | 27.85 | 0.6089 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 16 QAM | 1@1 | 21.95 | 22.04 | 25.01 | 27.77 | 0.5978 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 16 QAM | 1@49 | 21.87 | 21.89 | 24.89 | 27.65 | 0.5821 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 64 QAM | 25@12 | 20.5 | 20.62 | 23.57 | 26.33 | 0.4296 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 64 QAM | 1@1 | 20.69 | 20.93 | 23.82 | 26.58 | 0.4552 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 64 QAM | 1@49 | 20.66 | 20.86 | 23.77 | 26.53 | 0.4499 |

| | | | | | | | | | | | |
|----|----|----|--------|------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 256 QAM | 25@12 | 18.51 | 18.68 | 21.61 | 24.37 | 0.2733 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 256 QAM | 1@1 | 18.55 | 18.69 | 21.63 | 24.39 | 0.2748 |
| 78 | 30 | 20 | 636000 | 3540 | DFT-s-OFDM 256 QAM | 1@49 | 18.47 | 18.61 | 21.55 | 24.31 | 0.2698 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM QPSK | 25@12 | 21.5 | 21.76 | 24.64 | 27.40 | 0.5498 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM QPSK | 1@1 | 21.53 | 21.73 | 24.64 | 27.40 | 0.5497 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM QPSK | 1@49 | 21.52 | 21.61 | 24.58 | 27.34 | 0.5414 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 16 QAM | 25@12 | 21.04 | 21.23 | 24.15 | 26.91 | 0.4905 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 16 QAM | 1@1 | 21.07 | 21.21 | 24.15 | 26.91 | 0.4910 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 16 QAM | 1@49 | 20.93 | 21.05 | 24.00 | 26.76 | 0.4743 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 64 QAM | 25@12 | 19.59 | 19.67 | 22.64 | 25.40 | 0.3468 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 64 QAM | 1@1 | 19.74 | 19.87 | 22.82 | 25.58 | 0.3611 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 64 QAM | 1@49 | 19.61 | 19.61 | 22.62 | 25.38 | 0.3452 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 256 QAM | 25@12 | 16.57 | 16.81 | 19.70 | 22.46 | 0.1763 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 256 QAM | 1@1 | 16.49 | 16.67 | 19.59 | 22.35 | 0.1718 |
| 78 | 30 | 20 | 636000 | 3540 | CP-OFDM 256 QAM | 1@49 | 16.48 | 16.49 | 19.50 | 22.26 | 0.1681 |
| 78 | 30 | 30 | 631000 | 3540 | DFT-s-OFDM PI/2 BPSK | 36@18 | 23.1 | 23.3 | 26.21 | 28.97 | 0.7891 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.21 | 22.96 | 25.61 | 28.37 | 0.6873 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM PI/2 BPSK | 1@76 | 22.08 | 22.7 | 25.41 | 28.17 | 0.6563 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM QPSK | 36@18 | 22.24 | 22.86 | 25.57 | 28.33 | 0.6810 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM QPSK | 1@1 | 22.23 | 22.98 | 25.63 | 28.39 | 0.6905 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM QPSK | 1@76 | 22.1 | 22.67 | 25.40 | 28.16 | 0.6553 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 16 QAM | 36@18 | 21.79 | 22.39 | 25.11 | 27.87 | 0.6124 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 16 QAM | 1@1 | 21.72 | 22.42 | 25.09 | 27.85 | 0.6102 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 16 QAM | 1@76 | 21.57 | 22.12 | 24.86 | 27.62 | 0.5786 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 64 QAM | 36@18 | 20.34 | 20.96 | 23.67 | 26.43 | 0.4397 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 64 QAM | 1@1 | 20.44 | 21.09 | 23.79 | 26.55 | 0.4516 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 64 QAM | 1@76 | 20.21 | 20.76 | 23.50 | 26.26 | 0.4231 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 256 QAM | 36@18 | 18.26 | 18.94 | 21.62 | 24.38 | 0.2744 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 256 QAM | 1@1 | 18.26 | 19.01 | 21.66 | 24.42 | 0.2768 |
| 78 | 30 | 30 | 631000 | 3465 | DFT-s-OFDM 256 QAM | 1@76 | 18.06 | 18.68 | 21.39 | 24.15 | 0.2601 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM QPSK | 39@19 | 21.33 | 21.88 | 24.62 | 27.38 | 0.5475 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM QPSK | 1@1 | 21.47 | 22.01 | 24.76 | 27.52 | 0.5648 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM QPSK | 1@76 | 21.38 | 21.96 | 24.69 | 27.45 | 0.5559 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 16 QAM | 39@19 | 20.88 | 21.45 | 24.18 | 26.94 | 0.4948 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 16 QAM | 1@1 | 20.78 | 21.48 | 24.15 | 26.91 | 0.4914 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 16 QAM | 1@76 | 20.7 | 21.2 | 23.97 | 26.73 | 0.4707 |

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|----|----|----|--------|---------|----------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 64 QAM | 39@19 | 19.37 | 19.92 | 22.66 | 25.42 | 0.3487 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 64 QAM | 1@1 | 19.41 | 20.11 | 22.78 | 25.54 | 0.3585 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 64 QAM | 1@76 | 19.49 | 19.83 | 22.67 | 25.43 | 0.3494 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 256 QAM | 39@19 | 16.26 | 16.86 | 19.58 | 22.34 | 0.1714 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 256 QAM | 1@1 | 16.41 | 17.04 | 19.75 | 22.51 | 0.1781 |
| 78 | 30 | 30 | 631000 | 3465 | CP-OFDM 256 QAM | 1@76 | 16.08 | 16.78 | 19.45 | 22.21 | 0.1665 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 36@18 | 22.75 | 23.28 | 26.03 | 28.79 | 0.7574 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.84 | 23.39 | 26.13 | 28.89 | 0.7752 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@76 | 22.84 | 23.16 | 26.01 | 28.77 | 0.7539 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 36@18 | 22.83 | 23.29 | 26.08 | 28.84 | 0.7650 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.83 | 23.47 | 26.17 | 28.93 | 0.7820 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@76 | 22.89 | 23.23 | 26.07 | 28.83 | 0.7645 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 36@18 | 21.86 | 22.4 | 25.15 | 27.91 | 0.6178 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.68 | 22.24 | 24.98 | 27.74 | 0.5942 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@76 | 21.73 | 22.05 | 24.90 | 27.66 | 0.5839 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 36@18 | 20.32 | 20.86 | 23.61 | 26.37 | 0.4334 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.22 | 20.78 | 23.52 | 26.28 | 0.4246 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@76 | 20.32 | 20.65 | 23.50 | 26.26 | 0.4225 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 36@18 | 18.39 | 18.7 | 21.56 | 24.32 | 0.2703 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.3 | 18.94 | 21.64 | 24.40 | 0.2756 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@76 | 18.36 | 18.71 | 21.55 | 24.31 | 0.2697 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM QPSK | 39@19 | 21.31 | 21.82 | 24.58 | 27.34 | 0.5423 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.31 | 21.92 | 24.64 | 27.40 | 0.5490 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM QPSK | 1@76 | 21.55 | 21.8 | 24.69 | 27.45 | 0.5555 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 16 QAM | 39@19 | 20.84 | 21.29 | 24.08 | 26.84 | 0.4832 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.77 | 21.34 | 24.07 | 26.83 | 0.4825 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@76 | 20.86 | 21.16 | 24.02 | 26.78 | 0.4767 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 64 QAM | 39@19 | 19.37 | 19.82 | 22.61 | 25.37 | 0.3444 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.31 | 19.93 | 22.64 | 25.40 | 0.3468 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@76 | 19.4 | 19.78 | 22.60 | 25.36 | 0.3439 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 256 QAM | 39@19 | 16.27 | 16.83 | 19.57 | 22.33 | 0.1710 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.32 | 16.88 | 19.62 | 22.38 | 0.1730 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@76 | 16.25 | 16.56 | 19.42 | 22.18 | 0.1651 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM PI/2 BPSK | 36@18 | 22.46 | 22.65 | 25.57 | 28.33 | 0.6802 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.53 | 22.82 | 25.69 | 28.45 | 0.6995 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM PI/2 BPSK | 1@76 | 22.37 | 22.51 | 25.45 | 28.21 | 0.6623 |

| | | | | | | | | | | | |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM QPSK | 36@18 | 22.52 | 22.73 | 25.64 | 28.40 | 0.6913 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM QPSK | 1@1 | 22.48 | 22.91 | 25.71 | 28.47 | 0.7032 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM QPSK | 1@76 | 22.37 | 22.59 | 25.49 | 28.25 | 0.6686 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 16 QAM | 36@18 | 22.07 | 22.33 | 25.21 | 27.97 | 0.6269 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 16 QAM | 1@1 | 21.99 | 22.26 | 25.14 | 27.90 | 0.6162 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 16 QAM | 1@76 | 21.94 | 22.1 | 25.03 | 27.79 | 0.6013 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 64 QAM | 36@18 | 20.67 | 20.94 | 23.82 | 26.58 | 0.4547 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 64 QAM | 1@1 | 20.5 | 20.87 | 23.70 | 26.46 | 0.4425 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 64 QAM | 1@76 | 20.46 | 20.56 | 23.52 | 26.28 | 0.4247 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 256 QAM | 36@18 | 18.67 | 18.77 | 21.73 | 24.49 | 0.2812 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 256 QAM | 1@1 | 18.57 | 18.84 | 21.72 | 24.48 | 0.2804 |
| 78 | 30 | 30 | 635666 | 3534.99 | DFT-s-OFDM 256 QAM | 1@76 | 18.52 | 18.61 | 21.58 | 24.34 | 0.2714 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM QPSK | 39@19 | 21.64 | 21.83 | 24.75 | 27.51 | 0.5632 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM QPSK | 1@1 | 21.61 | 21.97 | 24.80 | 27.56 | 0.5707 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM QPSK | 1@76 | 21.52 | 21.76 | 24.65 | 27.41 | 0.5511 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 16 QAM | 39@19 | 21.13 | 21.36 | 24.26 | 27.02 | 0.5031 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 16 QAM | 1@1 | 21.15 | 21.39 | 24.28 | 27.04 | 0.5061 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 16 QAM | 1@76 | 20.96 | 21.12 | 24.05 | 26.81 | 0.4798 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 64 QAM | 39@19 | 19.63 | 19.82 | 22.74 | 25.50 | 0.3545 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 64 QAM | 1@1 | 19.91 | 20.16 | 23.05 | 25.81 | 0.3808 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 64 QAM | 1@76 | 19.74 | 19.85 | 22.81 | 25.57 | 0.3602 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 256 QAM | 39@19 | 16.58 | 16.84 | 19.72 | 22.48 | 0.1771 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 256 QAM | 1@1 | 16.52 | 16.87 | 19.71 | 22.47 | 0.1766 |
| 78 | 30 | 30 | 635666 | 3534.99 | CP-OFDM 256 QAM | 1@76 | 16.42 | 16.58 | 19.51 | 22.27 | 0.1687 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM PI/2 BPSK | 50@25 | 22.36 | 22.94 | 25.67 | 28.43 | 0.6966 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.36 | 23.08 | 25.75 | 28.51 | 0.7088 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM PI/2 BPSK | 1@104 | 22.11 | 22.6 | 25.37 | 28.13 | 0.6505 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 50@25 | 22.3 | 22.9 | 25.62 | 28.38 | 0.6888 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 1@1 | 22.41 | 23.09 | 25.77 | 28.53 | 0.7134 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM QPSK | 1@104 | 22.09 | 22.69 | 25.41 | 28.17 | 0.6562 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 16 QAM | 50@25 | 22 | 22.48 | 25.26 | 28.02 | 0.6334 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.86 | 22.5 | 25.20 | 27.96 | 0.6255 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 16 QAM | 1@104 | 21.75 | 22.17 | 24.98 | 27.74 | 0.5937 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 64 QAM | 50@25 | 20.38 | 20.97 | 23.70 | 26.46 | 0.4421 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.34 | 21.12 | 23.76 | 26.52 | 0.4485 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 64 QAM | 1@104 | 20.13 | 20.69 | 23.43 | 26.19 | 0.4158 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 256 QAM | 50@25 | 18.32 | 18.95 | 21.66 | 24.42 | 0.2765 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.42 | 19.19 | 21.83 | 24.59 | 0.2879 |
| 78 | 30 | 40 | 631334 | 3470.01 | DFT-s-OFDM 256 QAM | 1@104 | 18.27 | 18.72 | 21.51 | 24.27 | 0.2674 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM QPSK | 53@26 | 21.38 | 22.06 | 24.74 | 27.50 | 0.5628 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM QPSK | 1@1 | 21.48 | 22.15 | 24.84 | 27.60 | 0.5752 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM QPSK | 1@104 | 21.26 | 21.77 | 24.53 | 27.29 | 0.5361 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 16 QAM | 53@26 | 20.87 | 21.47 | 24.19 | 26.95 | 0.4955 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 16 QAM | 1@1 | 20.99 | 21.7 | 24.37 | 27.13 | 0.5164 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 16 QAM | 1@104 | 20.68 | 21.22 | 23.97 | 26.73 | 0.4708 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 64 QAM | 53@26 | 19.37 | 19.98 | 22.70 | 25.46 | 0.3512 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 64 QAM | 1@1 | 19.79 | 20.36 | 23.09 | 25.85 | 0.3850 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 64 QAM | 1@104 | 19.37 | 19.92 | 22.66 | 25.42 | 0.3487 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 256 QAM | 53@26 | 16.34 | 16.98 | 19.68 | 22.44 | 0.1755 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 256 QAM | 1@1 | 16.31 | 17.11 | 19.74 | 22.50 | 0.1778 |
| 78 | 30 | 40 | 631334 | 3470.01 | CP-OFDM 256 QAM | 1@104 | 16.12 | 16.62 | 19.39 | 22.15 | 0.1640 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 50@25 | 22.18 | 22.7 | 25.46 | 28.22 | 0.6634 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.26 | 22.91 | 25.61 | 28.37 | 0.6867 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@104 | 22.31 | 22.69 | 25.51 | 28.27 | 0.6721 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@25 | 22.37 | 22.74 | 25.57 | 28.33 | 0.6807 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.38 | 23 | 25.71 | 28.47 | 0.7033 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@104 | 22.35 | 22.56 | 25.47 | 28.23 | 0.6647 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 50@25 | 21.88 | 22.35 | 25.13 | 27.89 | 0.6154 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.7 | 22.36 | 25.05 | 27.81 | 0.6043 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@104 | 21.8 | 21.97 | 24.90 | 27.66 | 0.5829 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 50@25 | 20.33 | 20.83 | 23.60 | 26.36 | 0.4323 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.59 | 21.14 | 23.88 | 26.64 | 0.4617 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@104 | 20.6 | 20.85 | 23.74 | 26.50 | 0.4464 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 50@25 | 18.3 | 18.87 | 21.60 | 24.36 | 0.2732 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.34 | 18.97 | 21.68 | 24.44 | 0.2778 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@104 | 18.5 | 18.66 | 21.59 | 24.35 | 0.2723 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM QPSK | 53@26 | 21.37 | 21.86 | 24.63 | 27.39 | 0.5486 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.47 | 22 | 24.75 | 27.51 | 0.5641 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM QPSK | 1@104 | 21.5 | 21.78 | 24.65 | 27.41 | 0.5511 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 16 QAM | 53@26 | 20.9 | 21.37 | 24.15 | 26.91 | 0.4911 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.87 | 21.43 | 24.17 | 26.93 | 0.4931 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@104 | 20.94 | 21.17 | 24.07 | 26.83 | 0.4816 |

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|----|----|----|--------|---------|----------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 64 QAM | 53@26 | 19.4 | 19.88 | 22.66 | 25.42 | 0.3481 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.69 | 20.11 | 22.92 | 25.68 | 0.3694 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@104 | 19.75 | 20 | 22.89 | 25.65 | 0.3670 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 256 QAM | 53@26 | 16.38 | 16.9 | 19.66 | 22.42 | 0.1745 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.43 | 16.97 | 19.72 | 22.48 | 0.1770 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@104 | 16.47 | 16.78 | 19.64 | 22.40 | 0.1737 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM PI/2 BPSK | 50@25 | 22.48 | 22.78 | 25.64 | 28.40 | 0.6923 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.44 | 22.98 | 25.73 | 28.49 | 0.7061 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM PI/2 BPSK | 1@104 | 22.39 | 22.62 | 25.52 | 28.28 | 0.6725 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 50@25 | 22.54 | 22.77 | 25.67 | 28.43 | 0.6961 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 1@1 | 22.47 | 22.82 | 25.66 | 28.42 | 0.6948 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM QPSK | 1@104 | 22.42 | 22.59 | 25.52 | 28.28 | 0.6724 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 16 QAM | 50@25 | 22.11 | 22.31 | 25.22 | 27.98 | 0.6283 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 16 QAM | 1@1 | 21.95 | 22.19 | 25.08 | 27.84 | 0.6084 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 16 QAM | 1@104 | 21.89 | 22 | 24.96 | 27.72 | 0.5910 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 64 QAM | 50@25 | 20.57 | 20.86 | 23.73 | 26.49 | 0.4454 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 64 QAM | 1@1 | 20.78 | 21.11 | 23.96 | 26.72 | 0.4697 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 64 QAM | 1@104 | 20.76 | 20.84 | 23.81 | 26.57 | 0.4540 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 256 QAM | 50@25 | 18.58 | 18.71 | 21.66 | 24.42 | 0.2764 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 256 QAM | 1@1 | 18.4 | 18.92 | 21.68 | 24.44 | 0.2778 |
| 78 | 30 | 40 | 635332 | 3529.98 | DFT-s-OFDM 256 QAM | 1@104 | 18.46 | 18.6 | 21.54 | 24.30 | 0.2692 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM QPSK | 53@26 | 21.63 | 21.84 | 24.75 | 27.51 | 0.5632 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM QPSK | 1@1 | 21.55 | 21.88 | 24.73 | 27.49 | 0.5608 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM QPSK | 1@104 | 21.5 | 21.69 | 24.61 | 27.37 | 0.5453 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 16 QAM | 53@26 | 21.13 | 21.3 | 24.23 | 26.99 | 0.4996 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 16 QAM | 1@1 | 20.98 | 21.42 | 24.22 | 26.98 | 0.4984 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 16 QAM | 1@104 | 21.02 | 21.14 | 24.09 | 26.85 | 0.4843 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 64 QAM | 53@26 | 19.62 | 19.82 | 22.73 | 25.49 | 0.3541 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 64 QAM | 1@1 | 19.99 | 20.14 | 23.08 | 25.84 | 0.3833 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 64 QAM | 1@104 | 19.71 | 19.88 | 22.81 | 25.57 | 0.3603 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 256 QAM | 53@26 | 16.67 | 16.84 | 19.77 | 22.53 | 0.1789 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 256 QAM | 1@1 | 16.44 | 16.91 | 19.69 | 22.45 | 0.1759 |
| 78 | 30 | 40 | 635332 | 3529.98 | CP-OFDM 256 QAM | 1@104 | 16.47 | 16.63 | 19.56 | 22.32 | 0.1706 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM PI/2 BPSK | 64@32 | 22.11 | 22.69 | 25.42 | 28.18 | 0.6577 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.03 | 22.78 | 25.43 | 28.19 | 0.6594 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM PI/2 BPSK | 1@131 | 21.85 | 22.32 | 25.10 | 27.86 | 0.6112 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 64@32 | 22.04 | 22.67 | 25.38 | 28.14 | 0.6511 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@1 | 22.08 | 22.72 | 25.42 | 28.18 | 0.6580 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM QPSK | 1@131 | 21.79 | 22.28 | 25.05 | 27.81 | 0.6043 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 16 QAM | 64@32 | 21.7 | 22.26 | 25.00 | 27.76 | 0.5969 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 16 QAM | 1@1 | 21.56 | 22.24 | 24.92 | 27.68 | 0.5866 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 16 QAM | 1@131 | 21.33 | 21.75 | 24.56 | 27.32 | 0.5389 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 64 QAM | 64@32 | 20.29 | 20.77 | 23.55 | 26.31 | 0.4273 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 64 QAM | 1@1 | 20.29 | 20.9 | 23.62 | 26.38 | 0.4341 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 64 QAM | 1@131 | 20.04 | 20.48 | 23.28 | 26.04 | 0.4014 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 256 QAM | 64@32 | 18.06 | 18.71 | 21.41 | 24.17 | 0.2611 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 256 QAM | 1@1 | 18.19 | 18.79 | 21.51 | 24.27 | 0.2673 |
| 78 | 30 | 50 | 631668 | 3475.02 | DFT-s-OFDM 256 QAM | 1@131 | 17.87 | 18.4 | 21.15 | 23.91 | 0.2462 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM QPSK | 67@33 | 21.17 | 21.74 | 24.47 | 27.23 | 0.5290 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM QPSK | 1@1 | 21.21 | 21.91 | 24.58 | 27.34 | 0.5425 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM QPSK | 1@131 | 20.93 | 21.43 | 24.20 | 26.96 | 0.4963 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 16 QAM | 67@33 | 20.76 | 21.23 | 24.01 | 26.77 | 0.4755 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 16 QAM | 1@1 | 20.65 | 21.23 | 23.96 | 26.72 | 0.4699 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 16 QAM | 1@131 | 20.54 | 20.85 | 23.71 | 26.47 | 0.4434 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 64 QAM | 67@33 | 19.14 | 19.82 | 22.50 | 25.26 | 0.3360 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 64 QAM | 1@1 | 19.35 | 20.02 | 22.71 | 25.47 | 0.3522 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 64 QAM | 1@131 | 19.15 | 19.55 | 22.36 | 25.12 | 0.3255 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 256 QAM | 67@33 | 16.1 | 16.72 | 19.43 | 22.19 | 0.1656 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 256 QAM | 1@1 | 16.19 | 16.67 | 19.45 | 22.21 | 0.1662 |
| 78 | 30 | 50 | 631668 | 3475.02 | CP-OFDM 256 QAM | 1@131 | 16.25 | 16.38 | 19.33 | 22.09 | 0.1617 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 64@32 | 22.73 | 23.26 | 26.01 | 28.77 | 0.7539 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.69 | 23.33 | 26.03 | 28.79 | 0.7572 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@131 | 22.68 | 23 | 25.85 | 28.61 | 0.7266 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 64@32 | 22.75 | 23.15 | 25.96 | 28.72 | 0.7456 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.8 | 23.33 | 26.08 | 28.84 | 0.7662 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@131 | 22.61 | 22.95 | 25.79 | 28.55 | 0.7167 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 64@32 | 21.71 | 22.15 | 24.95 | 27.71 | 0.5896 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.69 | 22.09 | 24.90 | 27.66 | 0.5841 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@131 | 21.78 | 21.91 | 24.86 | 27.62 | 0.5775 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 64@32 | 20.19 | 20.66 | 23.44 | 26.20 | 0.4170 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.27 | 20.91 | 23.61 | 26.37 | 0.4337 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@131 | 20.33 | 20.63 | 23.49 | 26.25 | 0.4220 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 64@32 | 18.16 | 18.61 | 21.40 | 24.16 | 0.2607 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.21 | 18.69 | 21.47 | 24.23 | 0.2647 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@131 | 18.12 | 18.41 | 21.28 | 24.04 | 0.2534 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM QPSK | 67@33 | 21.19 | 21.59 | 24.40 | 27.16 | 0.5206 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.25 | 22.05 | 24.68 | 27.44 | 0.5545 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM QPSK | 1@131 | 21.54 | 21.57 | 24.57 | 27.33 | 0.5402 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 16 QAM | 67@33 | 20.71 | 21.12 | 23.93 | 26.69 | 0.4667 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.66 | 21.15 | 23.92 | 26.68 | 0.4658 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@131 | 20.63 | 20.92 | 23.79 | 26.55 | 0.4516 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 64 QAM | 67@33 | 19.23 | 19.62 | 22.44 | 25.20 | 0.3311 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.34 | 19.82 | 22.60 | 25.36 | 0.3433 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@131 | 19.46 | 19.67 | 22.58 | 25.34 | 0.3417 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 256 QAM | 67@33 | 16.09 | 16.71 | 19.42 | 22.18 | 0.1652 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.21 | 16.73 | 19.49 | 22.25 | 0.1678 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@131 | 16.24 | 16.65 | 19.46 | 22.22 | 0.1667 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM PI/2 BPSK | 64@32 | 22.32 | 22.59 | 25.47 | 28.23 | 0.6649 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.99 | 22.51 | 25.27 | 28.03 | 0.6350 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM PI/2 BPSK | 1@131 | 22.09 | 22.34 | 25.23 | 27.99 | 0.6291 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM QPSK | 64@32 | 22.27 | 22.61 | 25.45 | 28.21 | 0.6628 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM QPSK | 1@1 | 22 | 22.55 | 25.29 | 28.05 | 0.6389 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM QPSK | 1@131 | 22.13 | 22.26 | 25.21 | 27.97 | 0.6260 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 16 QAM | 64@32 | 21.86 | 22.14 | 25.01 | 27.77 | 0.5988 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 16 QAM | 1@1 | 21.54 | 21.95 | 24.76 | 27.52 | 0.5650 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 16 QAM | 1@131 | 21.65 | 21.72 | 24.70 | 27.46 | 0.5566 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 64 QAM | 64@32 | 20.44 | 20.73 | 23.60 | 26.36 | 0.4323 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 64 QAM | 1@1 | 20.02 | 20.61 | 23.34 | 26.10 | 0.4069 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 64 QAM | 1@131 | 20.11 | 20.33 | 23.23 | 25.99 | 0.3973 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 256 QAM | 64@32 | 18.33 | 18.58 | 21.47 | 24.23 | 0.2647 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 256 QAM | 1@1 | 18.12 | 18.59 | 21.37 | 24.13 | 0.2589 |
| 78 | 30 | 50 | 635000 | 3525 | DFT-s-OFDM 256 QAM | 1@131 | 18.08 | 18.26 | 21.18 | 23.94 | 0.2478 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM QPSK | 67@33 | 21.35 | 21.62 | 24.50 | 27.26 | 0.5318 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM QPSK | 1@1 | 21.13 | 21.61 | 24.39 | 27.15 | 0.5184 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM QPSK | 1@131 | 21.31 | 21.47 | 24.40 | 27.16 | 0.5201 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 16 QAM | 67@33 | 20.88 | 21.17 | 24.04 | 26.80 | 0.4784 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 16 QAM | 1@1 | 20.43 | 20.88 | 23.67 | 26.43 | 0.4397 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 16 QAM | 1@131 | 20.58 | 20.58 | 23.59 | 26.35 | 0.4315 |

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|----|----|----|--------|---------|----------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 64 QAM | 67@33 | 19.35 | 19.67 | 22.52 | 25.28 | 0.3375 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 64 QAM | 1@1 | 19.2 | 19.71 | 22.47 | 25.23 | 0.3336 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 64 QAM | 1@131 | 19.28 | 19.42 | 22.36 | 25.12 | 0.3252 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 256 QAM | 67@33 | 16.4 | 16.66 | 19.54 | 22.30 | 0.1699 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 256 QAM | 1@1 | 16.12 | 16.71 | 19.44 | 22.20 | 0.1658 |
| 78 | 30 | 50 | 635000 | 3525 | CP-OFDM 256 QAM | 1@131 | 16.23 | 16.39 | 19.32 | 22.08 | 0.1615 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM PI/2 BPSK | 81@40 | 22.07 | 22.62 | 25.36 | 28.12 | 0.6492 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.25 | 22.77 | 25.53 | 28.29 | 0.6742 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM PI/2 BPSK | 1@160 | 21.9 | 22.36 | 25.15 | 27.91 | 0.6175 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM QPSK | 81@40 | 22.06 | 22.68 | 25.39 | 28.15 | 0.6533 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM QPSK | 1@1 | 22.14 | 22.88 | 25.54 | 28.30 | 0.6755 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM QPSK | 1@160 | 21.9 | 22.19 | 25.06 | 27.82 | 0.6050 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 16 QAM | 81@40 | 21.66 | 22.24 | 24.97 | 27.73 | 0.5929 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 16 QAM | 1@1 | 21.57 | 22.26 | 24.94 | 27.70 | 0.5887 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 16 QAM | 1@160 | 21.43 | 21.76 | 24.61 | 27.37 | 0.5456 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 64 QAM | 81@40 | 20.16 | 20.72 | 23.46 | 26.22 | 0.4187 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 64 QAM | 1@1 | 20.37 | 21.03 | 23.72 | 26.48 | 0.4449 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 64 QAM | 1@160 | 20.17 | 20.46 | 23.33 | 26.09 | 0.4062 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 256 QAM | 81@40 | 18.18 | 18.72 | 21.47 | 24.23 | 0.2648 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 256 QAM | 1@1 | 18.39 | 18.84 | 21.63 | 24.39 | 0.2749 |
| 78 | 30 | 60 | 632000 | 3480 | DFT-s-OFDM 256 QAM | 1@160 | 18.04 | 18.34 | 21.20 | 23.96 | 0.2491 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM QPSK | 81@40 | 21.2 | 21.67 | 24.45 | 27.21 | 0.5262 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM QPSK | 1@1 | 21.42 | 21.98 | 24.72 | 27.48 | 0.5597 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM QPSK | 1@160 | 21.31 | 21.57 | 24.45 | 27.21 | 0.5263 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 16 QAM | 81@40 | 20.68 | 21.23 | 23.97 | 26.73 | 0.4714 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 16 QAM | 1@1 | 20.79 | 21.32 | 24.07 | 26.83 | 0.4823 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 16 QAM | 1@160 | 20.77 | 20.98 | 23.89 | 26.65 | 0.4620 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 64 QAM | 81@40 | 19.31 | 19.73 | 22.54 | 25.30 | 0.3385 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 64 QAM | 1@1 | 19.4 | 19.88 | 22.66 | 25.42 | 0.3481 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 64 QAM | 1@160 | 19.29 | 19.54 | 22.43 | 25.19 | 0.3301 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 256 QAM | 81@40 | 16.22 | 16.67 | 19.46 | 22.22 | 0.1668 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 256 QAM | 1@1 | 16.31 | 16.79 | 19.57 | 22.33 | 0.1709 |
| 78 | 30 | 60 | 632000 | 3480 | CP-OFDM 256 QAM | 1@160 | 16.25 | 16.45 | 19.36 | 22.12 | 0.1630 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 81@40 | 22.16 | 22.5 | 25.34 | 28.10 | 0.6462 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.2 | 22.82 | 25.53 | 28.29 | 0.6747 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@160 | 22.09 | 22.39 | 25.25 | 28.01 | 0.6328 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 81@40 | 22.16 | 22.61 | 25.40 | 28.16 | 0.6548 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.15 | 22.81 | 25.50 | 28.26 | 0.6703 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@160 | 22.14 | 22.32 | 25.24 | 28.00 | 0.6311 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 81@40 | 21.81 | 22.21 | 25.02 | 27.78 | 0.6005 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.66 | 22.1 | 24.90 | 27.66 | 0.5829 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@160 | 21.61 | 21.69 | 24.66 | 27.42 | 0.5521 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 81@40 | 20.25 | 20.74 | 23.51 | 26.27 | 0.4239 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.37 | 20.84 | 23.62 | 26.38 | 0.4347 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@160 | 20.3 | 20.44 | 23.38 | 26.14 | 0.4112 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 81@40 | 18.29 | 18.68 | 21.50 | 24.26 | 0.2667 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.21 | 18.92 | 21.59 | 24.35 | 0.2723 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@160 | 18.11 | 18.32 | 21.23 | 23.99 | 0.2504 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM QPSK | 81@40 | 21.18 | 21.6 | 24.41 | 27.17 | 0.5206 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.52 | 21.82 | 24.68 | 27.44 | 0.5550 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM QPSK | 1@160 | 21.42 | 21.48 | 24.46 | 27.22 | 0.5273 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 16 QAM | 81@40 | 20.7 | 21.2 | 23.97 | 26.73 | 0.4707 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.68 | 21.31 | 24.02 | 26.78 | 0.4761 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@160 | 20.75 | 20.88 | 23.83 | 26.59 | 0.4556 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 64 QAM | 81@40 | 19.17 | 19.71 | 22.46 | 25.22 | 0.3326 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.53 | 20.01 | 22.79 | 25.55 | 0.3587 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@160 | 19.55 | 19.59 | 22.58 | 25.34 | 0.3420 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 256 QAM | 81@40 | 16.13 | 16.72 | 19.45 | 22.21 | 0.1662 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.25 | 16.87 | 19.58 | 22.34 | 0.1714 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@160 | 16.27 | 16.38 | 19.34 | 22.10 | 0.1620 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM PI/2 BPSK | 81@40 | 22.22 | 22.58 | 25.41 | 28.17 | 0.6568 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.13 | 22.78 | 25.48 | 28.24 | 0.6664 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM PI/2 BPSK | 1@160 | 22.15 | 22.23 | 25.20 | 27.96 | 0.6252 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 81@40 | 22.32 | 22.59 | 25.47 | 28.23 | 0.6649 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 1@1 | 22.05 | 22.72 | 25.41 | 28.17 | 0.6559 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 1@160 | 22.13 | 22.21 | 25.18 | 27.94 | 0.6224 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 16 QAM | 81@40 | 21.83 | 22.18 | 25.02 | 27.78 | 0.5996 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 16 QAM | 1@1 | 21.56 | 22.1 | 24.85 | 27.61 | 0.5766 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 16 QAM | 1@160 | 21.65 | 21.67 | 24.67 | 27.43 | 0.5534 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 64 QAM | 81@40 | 20.45 | 20.73 | 23.60 | 26.36 | 0.4328 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 64 QAM | 1@1 | 20.07 | 20.72 | 23.42 | 26.18 | 0.4147 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 64 QAM | 1@160 | 20.2 | 20.29 | 23.26 | 26.02 | 0.3995 |

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|----|----|----|--------|---------|-------------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 256 QAM | 81@40 | 18.41 | 18.69 | 21.56 | 24.32 | 0.2706 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 256 QAM | 1@1 | 18.06 | 18.78 | 21.45 | 24.21 | 0.2633 |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM 256 QAM | 1@160 | 18.16 | 18.29 | 21.24 | 24.00 | 0.2509 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM QPSK | 81@40 | 21.38 | 21.65 | 24.53 | 27.29 | 0.5355 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM QPSK | 1@1 | 21.19 | 21.81 | 24.52 | 27.28 | 0.5347 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM QPSK | 1@160 | 21.56 | 21.48 | 24.53 | 27.29 | 0.5359 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 16 QAM | 81@40 | 20.89 | 21.22 | 24.07 | 26.83 | 0.4818 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 16 QAM | 1@1 | 20.63 | 21.24 | 23.96 | 26.72 | 0.4695 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 16 QAM | 1@160 | 20.81 | 20.91 | 23.87 | 26.63 | 0.4603 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 64 QAM | 81@40 | 19.46 | 19.73 | 22.61 | 25.37 | 0.3441 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 64 QAM | 1@1 | 19.39 | 19.94 | 22.68 | 25.44 | 0.3503 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 64 QAM | 1@160 | 19.59 | 19.59 | 22.60 | 25.36 | 0.3436 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 256 QAM | 81@40 | 16.42 | 16.6 | 19.52 | 22.28 | 0.1691 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 256 QAM | 1@1 | 16.15 | 16.05 | 19.11 | 21.87 | 0.1538 |
| 78 | 30 | 60 | 634666 | 3519.99 | CP-OFDM 256 QAM | 1@160 | 16.36 | 16.36 | 19.37 | 22.13 | 0.1633 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM PI/2 BPSK | 90@45 | 22.04 | 22.44 | 25.25 | 28.01 | 0.6331 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.14 | 22.74 | 25.46 | 28.22 | 0.6638 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM PI/2 BPSK | 1@187 | 21.92 | 22.16 | 25.05 | 27.81 | 0.6042 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM QPSK | 90@45 | 21.93 | 22.49 | 25.23 | 27.99 | 0.6294 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM QPSK | 1@1 | 22.1 | 22.73 | 25.44 | 28.20 | 0.6602 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM QPSK | 1@187 | 21.9 | 22.17 | 25.05 | 27.81 | 0.6036 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 16 QAM | 90@45 | 21.59 | 22.1 | 24.86 | 27.62 | 0.5785 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.42 | 22.28 | 24.88 | 27.64 | 0.5810 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 16 QAM | 1@187 | 21.42 | 21.62 | 24.53 | 27.29 | 0.5360 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 64 QAM | 90@45 | 20.11 | 20.59 | 23.37 | 26.13 | 0.4099 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.36 | 20.97 | 23.69 | 26.45 | 0.4412 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 64 QAM | 1@187 | 20.19 | 20.41 | 23.31 | 26.07 | 0.4047 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 256 QAM | 90@45 | 18.12 | 18.68 | 21.42 | 24.18 | 0.2618 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.17 | 18.87 | 21.54 | 24.30 | 0.2694 |
| 78 | 30 | 70 | 632334 | 3485.01 | DFT-s-OFDM 256 QAM | 1@187 | 17.89 | 18.2 | 21.06 | 23.82 | 0.2409 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM QPSK | 95@47 | 21.1 | 21.56 | 24.35 | 27.11 | 0.5136 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM QPSK | 1@1 | 21.24 | 21.78 | 24.53 | 27.29 | 0.5356 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM QPSK | 1@187 | 21.13 | 21.34 | 24.25 | 27.01 | 0.5019 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 16 QAM | 95@47 | 20.52 | 21.01 | 23.78 | 26.54 | 0.4510 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 16 QAM | 1@1 | 20.8 | 21.43 | 24.14 | 26.90 | 0.4894 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 16 QAM | 1@187 | 20.58 | 20.71 | 23.66 | 26.42 | 0.4381 |

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|----|----|----|--------|---------|----------------------|-------|-------|-------|-------|-------|--------|
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 64 QAM | 95@47 | 19.14 | 19.64 | 22.41 | 25.17 | 0.3287 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 64 QAM | 1@1 | 19.36 | 19.82 | 22.61 | 25.37 | 0.3441 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 64 QAM | 1@187 | 19.27 | 19.5 | 22.40 | 25.16 | 0.3279 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 256 QAM | 95@47 | 16.04 | 16.64 | 19.36 | 22.12 | 0.1630 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 256 QAM | 1@1 | 16.24 | 16.73 | 19.50 | 22.26 | 0.1684 |
| 78 | 30 | 70 | 632334 | 3485.01 | CP-OFDM 256 QAM | 1@187 | 15.99 | 16.23 | 19.12 | 21.88 | 0.1542 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 90@45 | 22.01 | 22.55 | 25.30 | 28.06 | 0.6395 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.08 | 22.68 | 25.40 | 28.16 | 0.6547 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@187 | 22.03 | 22.14 | 25.10 | 27.86 | 0.6103 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 90@45 | 21.96 | 22.37 | 25.18 | 27.94 | 0.6223 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.18 | 22.69 | 25.45 | 28.21 | 0.6626 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@187 | 22.01 | 22.22 | 25.13 | 27.89 | 0.6147 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 90@45 | 21.61 | 22.08 | 24.86 | 27.62 | 0.5783 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.69 | 22.25 | 24.99 | 27.75 | 0.5956 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@187 | 21.64 | 21.81 | 24.74 | 27.50 | 0.5618 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 90@45 | 20.11 | 20.52 | 23.33 | 26.09 | 0.4065 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.34 | 20.81 | 23.59 | 26.35 | 0.4317 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@187 | 19.97 | 20.3 | 23.15 | 25.91 | 0.3898 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 90@45 | 18 | 18.52 | 21.28 | 24.04 | 0.2534 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.09 | 18.81 | 21.48 | 24.24 | 0.2652 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@187 | 18.06 | 18.22 | 21.15 | 23.91 | 0.2461 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM QPSK | 95@47 | 21.15 | 21.52 | 24.35 | 27.11 | 0.5140 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.38 | 21.92 | 24.67 | 27.43 | 0.5532 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM QPSK | 1@187 | 21.38 | 21.43 | 24.42 | 27.18 | 0.5218 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 16 QAM | 95@47 | 20.6 | 21.04 | 23.84 | 26.60 | 0.4567 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.72 | 21.22 | 23.99 | 26.75 | 0.4729 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@187 | 20.54 | 20.76 | 23.66 | 26.42 | 0.4387 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 64 QAM | 95@47 | 19.06 | 19.55 | 22.32 | 25.08 | 0.3223 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.33 | 19.8 | 22.58 | 25.34 | 0.3421 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@187 | 19.24 | 19.41 | 22.34 | 25.10 | 0.3233 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 256 QAM | 95@47 | 16.04 | 16.59 | 19.33 | 22.09 | 0.1620 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.15 | 16.64 | 19.41 | 22.17 | 0.1649 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@187 | 16.14 | 16.3 | 19.23 | 21.99 | 0.1582 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM PI/2 BPSK | 90@45 | 22.14 | 22.49 | 25.33 | 28.09 | 0.6440 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.01 | 22.74 | 25.40 | 28.16 | 0.6547 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM PI/2 BPSK | 1@187 | 21.99 | 22.19 | 25.10 | 27.86 | 0.6111 |

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|----|----|----|--------|---------|----------------------|--------|-------|-------|-------|-------|--------|
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM QPSK | 90@45 | 22.13 | 22.48 | 25.32 | 28.08 | 0.6425 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM QPSK | 1@1 | 21.97 | 22.65 | 25.33 | 28.09 | 0.6447 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM QPSK | 1@187 | 21.9 | 22.13 | 25.03 | 27.79 | 0.6007 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 16 QAM | 90@45 | 21.78 | 22.1 | 24.95 | 27.71 | 0.5906 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 16 QAM | 1@1 | 21.47 | 22.08 | 24.80 | 27.56 | 0.5696 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 16 QAM | 1@187 | 21.5 | 21.55 | 24.54 | 27.30 | 0.5365 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 64 QAM | 90@45 | 20.17 | 20.66 | 23.43 | 26.19 | 0.4161 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 64 QAM | 1@1 | 20.38 | 20.92 | 23.67 | 26.43 | 0.4394 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 64 QAM | 1@187 | 20.39 | 20.38 | 23.40 | 26.16 | 0.4126 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 256 QAM | 90@45 | 18.29 | 18.55 | 21.43 | 24.19 | 0.2626 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 256 QAM | 1@1 | 18.06 | 18.74 | 21.42 | 24.18 | 0.2620 |
| 78 | 30 | 70 | 634332 | 3514.98 | DFT-s-OFDM 256 QAM | 1@187 | 18.08 | 18.2 | 21.15 | 23.91 | 0.2461 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM QPSK | 95@47 | 21.21 | 21.62 | 24.43 | 27.19 | 0.5236 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM QPSK | 1@1 | 21.24 | 21.72 | 24.50 | 27.26 | 0.5317 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM QPSK | 1@187 | 21.29 | 21.47 | 24.39 | 27.15 | 0.5189 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 16 QAM | 95@47 | 20.81 | 21.11 | 23.97 | 26.73 | 0.4713 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 16 QAM | 1@1 | 20.6 | 21.05 | 23.84 | 26.60 | 0.4572 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 16 QAM | 1@187 | 20.52 | 20.62 | 23.58 | 26.34 | 0.4306 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 64 QAM | 95@47 | 19.3 | 19.62 | 22.47 | 25.23 | 0.3337 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 64 QAM | 1@1 | 19.21 | 19.76 | 22.50 | 25.26 | 0.3360 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 64 QAM | 1@187 | 19.43 | 19.45 | 22.45 | 25.21 | 0.3319 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 256 QAM | 95@47 | 16.22 | 16.58 | 19.41 | 22.17 | 0.1650 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 256 QAM | 1@1 | 16.06 | 16.7 | 19.40 | 22.16 | 0.1645 |
| 78 | 30 | 70 | 634332 | 3514.98 | CP-OFDM 256 QAM | 1@187 | 16.12 | 16.16 | 19.15 | 21.91 | 0.1553 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM PI/2 BPSK | 108@54 | 22.09 | 22.53 | 25.33 | 28.09 | 0.6436 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.11 | 22.71 | 25.43 | 28.19 | 0.6593 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM PI/2 BPSK | 1@215 | 22.03 | 22.14 | 25.10 | 27.86 | 0.6103 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 108@54 | 22.09 | 22.45 | 25.28 | 28.04 | 0.6374 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 1@1 | 21.99 | 22.74 | 25.39 | 28.15 | 0.6534 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM QPSK | 1@215 | 22.11 | 22.17 | 25.15 | 27.91 | 0.6181 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 16 QAM | 108@54 | 21.57 | 22.01 | 24.81 | 27.57 | 0.5709 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 16 QAM | 1@1 | 21.44 | 22.12 | 24.80 | 27.56 | 0.5706 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 16 QAM | 1@215 | 21.56 | 21.65 | 24.62 | 27.38 | 0.5465 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 64 QAM | 108@54 | 20.08 | 20.56 | 23.34 | 26.10 | 0.4071 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 64 QAM | 1@1 | 20.17 | 20.89 | 23.56 | 26.32 | 0.4281 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 64 QAM | 1@215 | 20.23 | 20.33 | 23.29 | 26.05 | 0.4028 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|-------|-------|--------|
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 256 QAM | 108@54 | 18.05 | 18.56 | 21.32 | 24.08 | 0.2560 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 256 QAM | 1@1 | 17.99 | 18.76 | 21.40 | 24.16 | 0.2608 |
| 78 | 30 | 80 | 632668 | 3490.02 | DFT-s-OFDM 256 QAM | 1@215 | 18.1 | 18.31 | 21.22 | 23.98 | 0.2498 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM QPSK | 109@54 | 21.09 | 21.6 | 24.36 | 27.12 | 0.5156 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM QPSK | 1@1 | 21.15 | 21.82 | 24.51 | 27.27 | 0.5331 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM QPSK | 1@215 | 21.28 | 21.27 | 24.29 | 27.05 | 0.5064 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 16 QAM | 109@54 | 20.53 | 21.03 | 23.80 | 26.56 | 0.4526 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 16 QAM | 1@1 | 20.39 | 21.1 | 23.77 | 26.53 | 0.4498 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 16 QAM | 1@215 | 20.48 | 20.56 | 23.53 | 26.29 | 0.4256 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 64 QAM | 109@54 | 19.06 | 19.52 | 22.31 | 25.07 | 0.3211 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 64 QAM | 1@1 | 19.23 | 19.85 | 22.56 | 25.32 | 0.3405 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 64 QAM | 1@215 | 19.21 | 19.3 | 22.27 | 25.03 | 0.3181 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 256 QAM | 109@54 | 16.09 | 16.56 | 19.34 | 22.10 | 0.1622 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 256 QAM | 1@1 | 16.05 | 16.81 | 19.46 | 22.22 | 0.1666 |
| 78 | 30 | 80 | 632668 | 3490.02 | CP-OFDM 256 QAM | 1@215 | 16.14 | 16.17 | 19.17 | 21.93 | 0.1558 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 108@54 | 21.22 | 21.41 | 24.33 | 27.09 | 0.5113 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.96 | 22.12 | 25.05 | 27.81 | 0.6041 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@215 | 21.15 | 21.65 | 24.42 | 27.18 | 0.5221 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 108@54 | 22.07 | 21.96 | 25.03 | 27.79 | 0.6006 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 21.51 | 20.4 | 24.00 | 26.76 | 0.4743 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@215 | 20.88 | 20.72 | 23.81 | 26.57 | 0.4540 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 108@54 | 21.56 | 21.98 | 24.79 | 27.55 | 0.5682 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.58 | 22.18 | 24.90 | 27.66 | 0.5835 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@215 | 21.65 | 21.62 | 24.65 | 27.41 | 0.5502 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 108@54 | 20.19 | 20.51 | 23.36 | 26.12 | 0.4096 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.3 | 20.83 | 23.58 | 26.34 | 0.4309 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@215 | 20.32 | 20.38 | 23.36 | 26.12 | 0.4093 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 108@54 | 18.18 | 18.55 | 21.38 | 24.14 | 0.2594 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.14 | 18.73 | 21.46 | 24.22 | 0.2640 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@215 | 18.05 | 18.28 | 21.18 | 23.94 | 0.2476 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM QPSK | 109@54 | 21.07 | 21.49 | 24.30 | 27.06 | 0.5076 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.15 | 21.67 | 24.43 | 27.19 | 0.5234 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM QPSK | 1@215 | 21.22 | 21.22 | 24.23 | 26.99 | 0.5001 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 16 QAM | 109@54 | 20.64 | 21.03 | 23.85 | 26.61 | 0.4581 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.77 | 21.11 | 23.95 | 26.71 | 0.4692 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@215 | 20.7 | 20.66 | 23.69 | 26.45 | 0.4416 |

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|----|----|----|--------|---------|----------------------|--------|-------|-------|-------|-------|--------|
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 64 QAM | 109@54 | 19.19 | 19.62 | 22.42 | 25.18 | 0.3297 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.42 | 19.89 | 22.67 | 25.43 | 0.3493 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@215 | 19.21 | 19.34 | 22.29 | 25.05 | 0.3196 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 256 QAM | 109@54 | 16.18 | 16.6 | 19.41 | 22.17 | 0.1646 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.39 | 16.79 | 19.60 | 22.36 | 0.1724 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@215 | 16.09 | 16.17 | 19.14 | 21.90 | 0.1549 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM PI/2 BPSK | 108@54 | 22.12 | 22.54 | 25.35 | 28.11 | 0.6465 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.04 | 22.66 | 25.37 | 28.13 | 0.6503 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM PI/2 BPSK | 1@215 | 22.1 | 22.12 | 25.12 | 27.88 | 0.6138 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM QPSK | 108@54 | 22.1 | 22.49 | 25.31 | 28.07 | 0.6412 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM QPSK | 1@1 | 22.06 | 22.61 | 25.35 | 28.11 | 0.6477 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM QPSK | 1@215 | 22.05 | 22.09 | 25.08 | 27.84 | 0.6082 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 16 QAM | 108@54 | 21.66 | 22.06 | 24.87 | 27.63 | 0.5801 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 16 QAM | 1@1 | 21.48 | 22.12 | 24.82 | 27.58 | 0.5731 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 16 QAM | 1@215 | 21.46 | 21.62 | 24.55 | 27.31 | 0.5384 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 64 QAM | 108@54 | 20.29 | 20.56 | 23.44 | 26.20 | 0.4166 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 64 QAM | 1@1 | 20.26 | 20.82 | 23.56 | 26.32 | 0.4285 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 64 QAM | 1@215 | 20.18 | 20.22 | 23.21 | 25.97 | 0.3954 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 256 QAM | 108@54 | 18.2 | 18.57 | 21.40 | 24.16 | 0.2606 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 256 QAM | 1@1 | 18.09 | 18.75 | 21.44 | 24.20 | 0.2632 |
| 78 | 30 | 80 | 634000 | 3510 | DFT-s-OFDM 256 QAM | 1@215 | 17.98 | 18.23 | 21.12 | 23.88 | 0.2442 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM QPSK | 109@54 | 21.14 | 21.48 | 24.32 | 27.08 | 0.5109 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM QPSK | 1@1 | 21.32 | 21.81 | 24.58 | 27.34 | 0.5423 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM QPSK | 1@215 | 21.08 | 21.18 | 24.14 | 26.90 | 0.4898 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 16 QAM | 109@54 | 20.73 | 20.98 | 23.87 | 26.63 | 0.4599 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 16 QAM | 1@1 | 20.56 | 21.05 | 23.82 | 26.58 | 0.4552 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 16 QAM | 1@215 | 20.56 | 20.59 | 23.59 | 26.35 | 0.4311 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 64 QAM | 109@54 | 19.2 | 19.58 | 22.40 | 25.16 | 0.3284 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 64 QAM | 1@1 | 19.19 | 19.7 | 22.46 | 25.22 | 0.3329 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 64 QAM | 1@215 | 19.22 | 19.24 | 22.24 | 25.00 | 0.3163 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 256 QAM | 109@54 | 16.28 | 16.54 | 19.42 | 22.18 | 0.1653 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 256 QAM | 1@1 | 16.14 | 16.67 | 19.42 | 22.18 | 0.1653 |
| 78 | 30 | 80 | 634000 | 3510 | CP-OFDM 256 QAM | 1@215 | 16.04 | 16.13 | 19.10 | 21.86 | 0.1533 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM PI/2 BPSK | 120@60 | 21.96 | 22.44 | 25.22 | 27.98 | 0.6276 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.1 | 22.71 | 25.43 | 28.19 | 0.6586 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM PI/2 BPSK | 1@243 | 22.14 | 22.04 | 25.10 | 27.86 | 0.6110 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|-------|-------|--------|
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM QPSK | 120@60 | 22.03 | 22.47 | 25.27 | 28.03 | 0.6347 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM QPSK | 1@1 | 22.03 | 22.63 | 25.35 | 28.11 | 0.6472 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM QPSK | 1@243 | 22.09 | 22.13 | 25.12 | 27.88 | 0.6138 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 16 QAM | 120@60 | 21.77 | 22.1 | 24.95 | 27.71 | 0.5900 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 16 QAM | 1@1 | 21.54 | 22.02 | 24.80 | 27.56 | 0.5698 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 16 QAM | 1@243 | 21.52 | 21.55 | 24.55 | 27.31 | 0.5377 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 64 QAM | 120@60 | 20.21 | 20.59 | 23.41 | 26.17 | 0.4144 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 64 QAM | 1@1 | 20.26 | 20.86 | 23.58 | 26.34 | 0.4306 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 64 QAM | 1@243 | 20.36 | 20.39 | 23.39 | 26.15 | 0.4117 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 256 QAM | 120@60 | 18.14 | 18.6 | 21.39 | 24.15 | 0.2598 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 256 QAM | 1@1 | 18.24 | 18.78 | 21.53 | 24.29 | 0.2685 |
| 78 | 30 | 90 | 633000 | 3495 | DFT-s-OFDM 256 QAM | 1@243 | 18.09 | 18.23 | 21.17 | 23.93 | 0.2472 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM QPSK | 123@61 | 21.07 | 21.5 | 24.30 | 27.06 | 0.5082 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM QPSK | 1@1 | 21.15 | 21.77 | 24.48 | 27.24 | 0.5298 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM QPSK | 1@243 | 21.27 | 21.38 | 24.34 | 27.10 | 0.5123 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 16 QAM | 123@61 | 20.71 | 21.06 | 23.90 | 26.66 | 0.4633 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 16 QAM | 1@1 | 20.46 | 20.98 | 23.74 | 26.50 | 0.4465 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 16 QAM | 1@243 | 20.69 | 20.59 | 23.65 | 26.41 | 0.4376 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 64 QAM | 123@61 | 19.18 | 19.55 | 22.38 | 25.14 | 0.3265 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 64 QAM | 1@1 | 19.22 | 19.73 | 22.49 | 25.25 | 0.3352 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 64 QAM | 1@243 | 19.4 | 19.31 | 22.37 | 25.13 | 0.3255 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 256 QAM | 123@61 | 16.19 | 16.54 | 19.38 | 22.14 | 0.1636 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 256 QAM | 1@1 | 16.07 | 16.7 | 19.41 | 22.17 | 0.1647 |
| 78 | 30 | 90 | 633000 | 3495 | CP-OFDM 256 QAM | 1@243 | 16.31 | 16.33 | 19.33 | 22.09 | 0.1618 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 120@60 | 22.09 | 22.51 | 25.32 | 28.08 | 0.6420 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.02 | 22.67 | 25.37 | 28.13 | 0.6497 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@243 | 22.1 | 22.18 | 25.15 | 27.91 | 0.6181 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 120@60 | 22.09 | 22.55 | 25.34 | 28.10 | 0.6451 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.09 | 22.74 | 25.44 | 28.20 | 0.6603 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@243 | 22.13 | 22.14 | 25.15 | 27.91 | 0.6173 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 120@60 | 21.64 | 22.01 | 24.84 | 27.60 | 0.5753 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.52 | 22.14 | 24.85 | 27.61 | 0.5769 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@243 | 21.56 | 21.57 | 24.58 | 27.34 | 0.5414 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 120@60 | 20.26 | 20.49 | 23.39 | 26.15 | 0.4118 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.29 | 20.86 | 23.59 | 26.35 | 0.4320 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@243 | 20.28 | 20.33 | 23.32 | 26.08 | 0.4051 |

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|----|----|----|--------|---------|-------------------------|--------|-------|-------|-------|-------|--------|
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 120@60 | 18.22 | 18.47 | 21.36 | 24.12 | 0.2581 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.29 | 18.64 | 21.48 | 24.24 | 0.2654 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@243 | 18.1 | 18.16 | 21.14 | 23.90 | 0.2455 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM QPSK | 123@61 | 21.16 | 21.63 | 24.41 | 27.17 | 0.5214 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.4 | 21.8 | 24.61 | 27.37 | 0.5464 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM QPSK | 1@243 | 21.27 | 21.3 | 24.30 | 27.06 | 0.5076 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 16 QAM | 123@61 | 20.74 | 21.14 | 23.95 | 26.71 | 0.4693 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.61 | 21.24 | 23.95 | 26.71 | 0.4685 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@243 | 20.78 | 20.95 | 23.88 | 26.64 | 0.4609 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 64 QAM | 123@61 | 19.29 | 19.5 | 22.41 | 25.17 | 0.3286 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.43 | 19.94 | 22.70 | 25.46 | 0.3518 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@243 | 19.42 | 19.51 | 22.48 | 25.24 | 0.3339 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 256 QAM | 123@61 | 16.11 | 16.53 | 19.34 | 22.10 | 0.1620 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.15 | 16.76 | 19.48 | 22.24 | 0.1673 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@243 | 16.22 | 16.2 | 19.22 | 21.98 | 0.1578 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM PI/2 BPSK | 120@60 | 22.31 | 22.51 | 25.42 | 28.18 | 0.6579 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.37 | 22.82 | 25.61 | 28.37 | 0.6872 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM PI/2 BPSK | 1@243 | 22.25 | 22.14 | 25.21 | 27.97 | 0.6260 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM QPSK | 120@60 | 22.22 | 22.61 | 25.43 | 28.19 | 0.6591 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM QPSK | 1@1 | 22.25 | 22.74 | 25.51 | 28.27 | 0.6718 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM QPSK | 1@243 | 22.19 | 22.21 | 25.21 | 27.97 | 0.6267 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 16 QAM | 120@60 | 21.82 | 22.22 | 25.03 | 27.79 | 0.6019 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 16 QAM | 1@1 | 21.74 | 22.35 | 25.07 | 27.83 | 0.6062 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 16 QAM | 1@243 | 21.68 | 21.57 | 24.64 | 27.40 | 0.5490 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 64 QAM | 120@60 | 20.37 | 20.74 | 23.57 | 26.33 | 0.4295 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 64 QAM | 1@1 | 20.51 | 20.88 | 23.71 | 26.47 | 0.4435 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 64 QAM | 1@243 | 20.39 | 20.35 | 23.38 | 26.14 | 0.4112 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 256 QAM | 120@60 | 18.42 | 18.7 | 21.57 | 24.33 | 0.2712 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 256 QAM | 1@1 | 18.48 | 18.75 | 21.63 | 24.39 | 0.2746 |
| 78 | 30 | 90 | 633666 | 3504.99 | DFT-s-OFDM 256 QAM | 1@243 | 18.14 | 18.21 | 21.19 | 23.95 | 0.2481 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM QPSK | 123@61 | 21.41 | 21.6 | 24.52 | 27.28 | 0.5341 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM QPSK | 1@1 | 21.39 | 22.04 | 24.74 | 27.50 | 0.5620 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM QPSK | 1@243 | 21.4 | 21.39 | 24.41 | 27.17 | 0.5206 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 16 QAM | 123@61 | 20.88 | 21.18 | 24.04 | 26.80 | 0.4789 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 16 QAM | 1@1 | 21 | 21.36 | 24.19 | 26.95 | 0.4959 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 16 QAM | 1@243 | 20.95 | 20.91 | 23.94 | 26.70 | 0.4678 |

| | | | | | | | | | | | |
|----|----|-----|--------|---------|----------------------|--------|-------|-------|-------|-------|--------|
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 64 QAM | 123@61 | 19.38 | 19.74 | 22.57 | 25.33 | 0.3415 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 64 QAM | 1@1 | 19.51 | 20.08 | 22.81 | 25.57 | 0.3610 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 64 QAM | 1@243 | 19.58 | 19.51 | 22.56 | 25.32 | 0.3401 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 256 QAM | 123@61 | 16.32 | 16.74 | 19.55 | 22.31 | 0.1700 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 256 QAM | 1@1 | 16.43 | 16.89 | 19.68 | 22.44 | 0.1752 |
| 78 | 30 | 90 | 633666 | 3504.99 | CP-OFDM 256 QAM | 1@243 | 16.48 | 16.41 | 19.46 | 22.22 | 0.1665 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 135@67 | 22.13 | 22.55 | 25.36 | 28.12 | 0.6479 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.32 | 22.82 | 25.59 | 28.35 | 0.6835 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@271 | 22.13 | 22.15 | 25.15 | 27.91 | 0.6181 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 135@67 | 22.27 | 22.65 | 25.47 | 28.23 | 0.6660 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@1 | 22.23 | 22.8 | 25.53 | 28.29 | 0.6752 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@271 | 22.26 | 22.16 | 25.22 | 27.98 | 0.6281 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 135@67 | 21.85 | 22.13 | 25.00 | 27.76 | 0.5974 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.71 | 22.21 | 24.98 | 27.74 | 0.5939 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 16 QAM | 1@271 | 21.66 | 21.69 | 24.69 | 27.45 | 0.5553 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 135@67 | 20.28 | 20.62 | 23.46 | 26.22 | 0.4191 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@1 | 20.39 | 20.78 | 23.60 | 26.36 | 0.4325 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 64 QAM | 1@271 | 20.22 | 20.22 | 23.23 | 25.99 | 0.3972 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 135@67 | 18.38 | 18.65 | 21.53 | 24.29 | 0.2684 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@1 | 18.21 | 18.74 | 21.49 | 24.25 | 0.2663 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM 256 QAM | 1@271 | 18.35 | 18.11 | 21.24 | 24.00 | 0.2513 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 137@68 | 21.3 | 21.66 | 24.49 | 27.25 | 0.5314 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 1@1 | 21.4 | 21.84 | 24.64 | 27.40 | 0.5490 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 1@271 | 21.35 | 21.23 | 24.30 | 27.06 | 0.5082 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 16 QAM | 137@68 | 20.96 | 21.17 | 24.08 | 26.84 | 0.4827 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@1 | 20.8 | 21.34 | 24.09 | 26.85 | 0.4840 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 16 QAM | 1@271 | 20.81 | 20.73 | 23.78 | 26.54 | 0.4509 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 64 QAM | 137@68 | 19.3 | 19.56 | 22.44 | 25.20 | 0.3313 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@1 | 19.62 | 19.95 | 22.80 | 25.56 | 0.3596 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 64 QAM | 1@271 | 19.43 | 19.34 | 22.40 | 25.16 | 0.3278 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 256 QAM | 137@68 | 16.42 | 16.56 | 19.50 | 22.26 | 0.1683 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@1 | 16.18 | 16.78 | 19.50 | 22.26 | 0.1683 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 256 QAM | 1@271 | 16.22 | 16.25 | 19.25 | 22.01 | 0.1587 |

Note: MIMO Gain= $10 \cdot \log_{10} \left(\frac{10^{\text{Gain1}/20} + 10^{\text{Gain2}/20}}{2} \right)$

FR1 N78 MIMO-ANT2

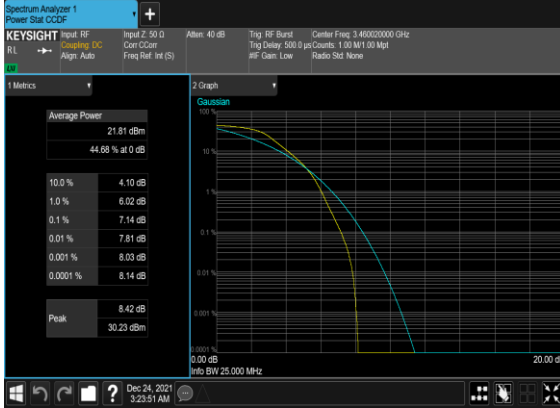
Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------------|---------|-------------|
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00624 | PASS | NV |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00498 | PASS | LV |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00493 | PASS | HV |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00222 | PASS | -30°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00689 | PASS | -20°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00469 | PASS | -10°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00327 | PASS | 0°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.0042 | PASS | 10°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00689 | PASS | 20°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00328 | PASS | 30°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00687 | PASS | 40°C |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | -0.00591 | PASS | 50°C |

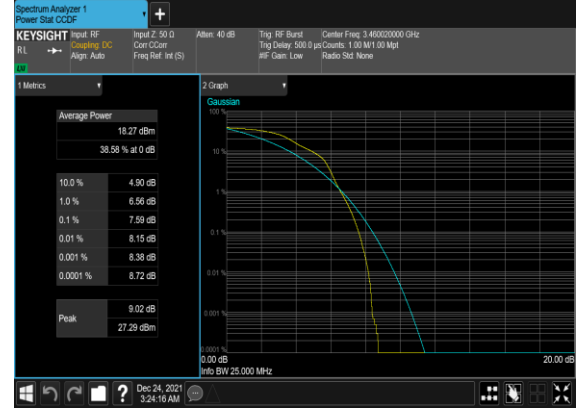
Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|-------------------------|------|-------------|------------|---------|
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.14 | 13 | PASS |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.59 | 13 | PASS |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 50@0 | 8.04 | 13 | PASS |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@0 | 9.06 | 13 | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.11 | 13 | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.61 | 13 | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | 7.93 | 13 | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | 8.15 | 13 | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM PI/2 BPSK | 50@0 | 6.99 | 13 | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.63 | 13 | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM QPSK | 50@0 | 8.33 | 13 | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM QPSK | 1@0 | 7.69 | 13 | PASS |

N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



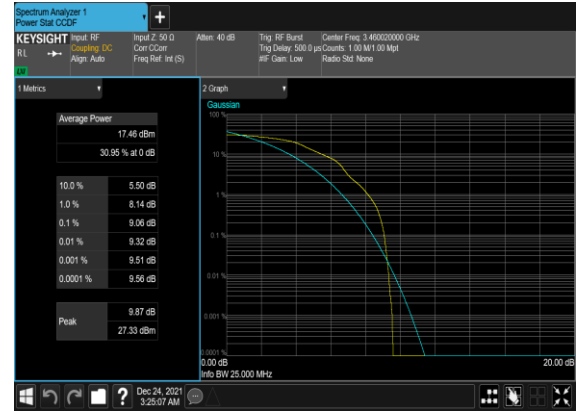
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



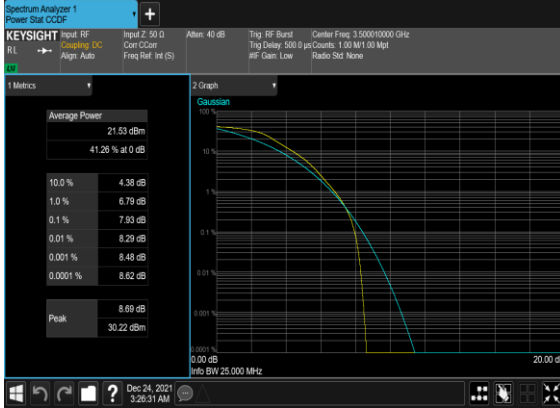
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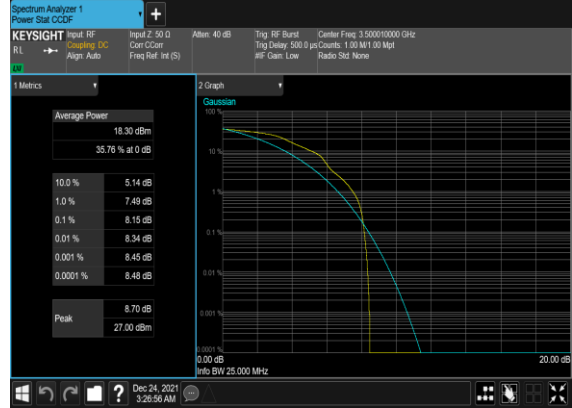
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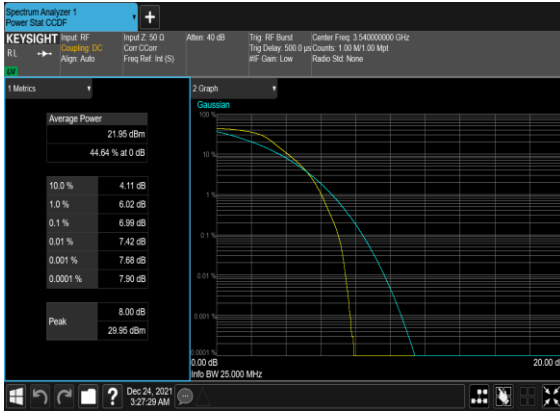
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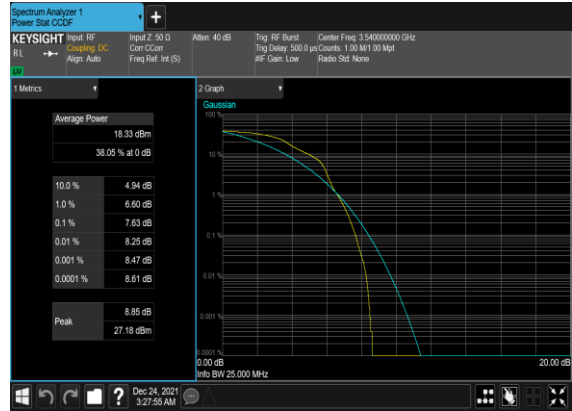
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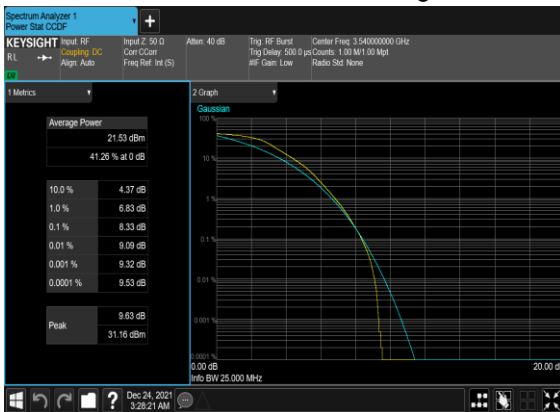
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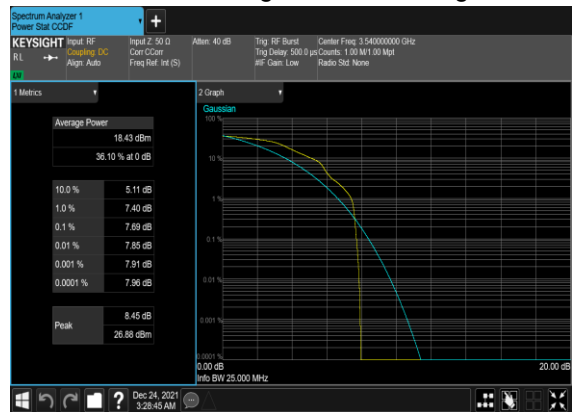
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



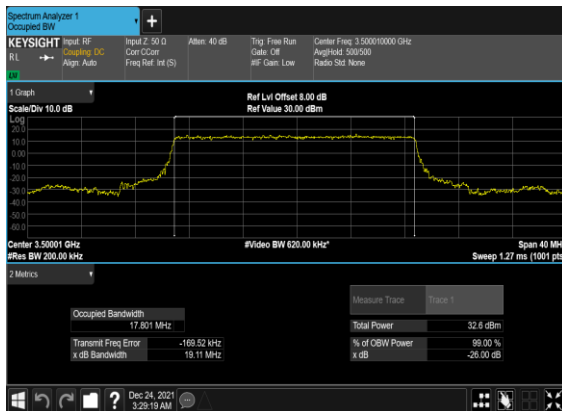
Occupied Bandwidth

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-----------|----------------|
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 50@0 | 17.801 | 19.11 |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 50@0 | 17.802 | 19.41 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM QPSK | 51@0 | 18.221 | 19.68 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 16 QAM | 51@0 | 18.191 | 19.67 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 64 QAM | 51@0 | 18.171 | 19.47 |
| 78 | 30 | 20 | 633334 | 3500.01 | CP-OFDM 256 QAM | 51@0 | 18.18 | 19.48 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 75@0 | 26.745 | 28.46 |
| 78 | 30 | 30 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 75@0 | 26.786 | 28.23 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM QPSK | 78@0 | 27.824 | 29.55 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 16 QAM | 78@0 | 27.919 | 29.33 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 64 QAM | 78@0 | 27.826 | 29.49 |
| 78 | 30 | 30 | 633334 | 3500.01 | CP-OFDM 256 QAM | 78@0 | 27.824 | 29.35 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 100@0 | 35.709 | 37.84 |
| 78 | 30 | 40 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 100@0 | 35.763 | 37.42 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM QPSK | 106@0 | 37.799 | 39.54 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 16 QAM | 106@0 | 37.772 | 39.67 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 64 QAM | 106@0 | 37.823 | 39.55 |
| 78 | 30 | 40 | 633334 | 3500.01 | CP-OFDM 256 QAM | 106@0 | 37.906 | 39.58 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 128@0 | 45.81 | 47.69 |
| 78 | 30 | 50 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 128@0 | 45.744 | 47.46 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM QPSK | 133@0 | 47.439 | 49.33 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 16 QAM | 133@0 | 47.412 | 49.57 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 64 QAM | 133@0 | 47.483 | 49.24 |
| 78 | 30 | 50 | 633334 | 3500.01 | CP-OFDM 256 QAM | 133@0 | 47.496 | 49.46 |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 162@0 | 57.907 | 59.83 |

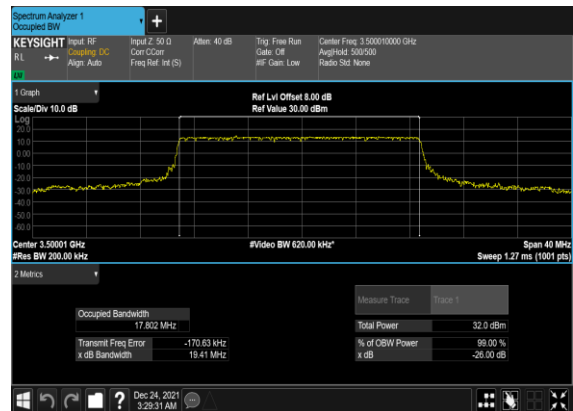
| | | | | | | | | |
|----|----|-----|--------|---------|-------------------------|-------|--------|-------|
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 162@0 | 57.909 | 60.15 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM QPSK | 162@0 | 57.791 | 59.97 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 16 QAM | 162@0 | 57.852 | 59.92 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 64 QAM | 162@0 | 57.831 | 59.78 |
| 78 | 30 | 60 | 633334 | 3500.01 | CP-OFDM 256 QAM | 162@0 | 57.832 | 60.25 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 180@0 | 64.513 | 66.81 |
| 78 | 30 | 70 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 180@0 | 64.306 | 66.34 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM QPSK | 189@0 | 67.419 | 69.94 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 16 QAM | 189@0 | 67.588 | 69.93 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 64 QAM | 189@0 | 67.515 | 70.07 |
| 78 | 30 | 70 | 633334 | 3500.01 | CP-OFDM 256 QAM | 189@0 | 67.326 | 69.99 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 216@0 | 77.108 | 79.91 |
| 78 | 30 | 80 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 216@0 | 77.261 | 79.78 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM QPSK | 217@0 | 77.42 | 80.15 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 16 QAM | 217@0 | 77.517 | 80.28 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 64 QAM | 217@0 | 77.498 | 80.23 |
| 78 | 30 | 80 | 633334 | 3500.01 | CP-OFDM 256 QAM | 217@0 | 77.378 | 80.27 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 240@0 | 86.018 | 88.7 |
| 78 | 30 | 90 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 240@0 | 85.871 | 88.61 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM QPSK | 245@0 | 87.475 | 90.25 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 16 QAM | 245@0 | 87.453 | 90.67 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 64 QAM | 245@0 | 87.428 | 90.51 |
| 78 | 30 | 90 | 633334 | 3500.01 | CP-OFDM 256 QAM | 245@0 | 87.304 | 90.17 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM PI/2 BPSK | 270@0 | 96.527 | 99.55 |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 270@0 | 96.534 | 99.55 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM QPSK | 273@0 | 97.541 | 100.6 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 16 QAM | 273@0 | 97.481 | 100.7 |

| | | | | | | | | |
|----|----|-----|--------|---------|-----------------|-------|--------|-------|
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 64 QAM | 273@0 | 97.624 | 100.7 |
| 78 | 30 | 100 | 633334 | 3500.01 | CP-OFDM 256 QAM | 273@0 | 97.449 | 101.0 |

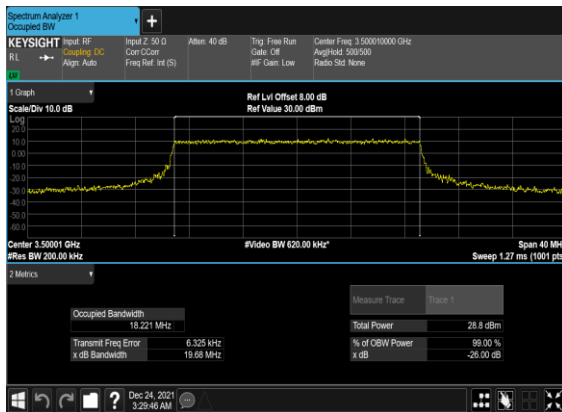
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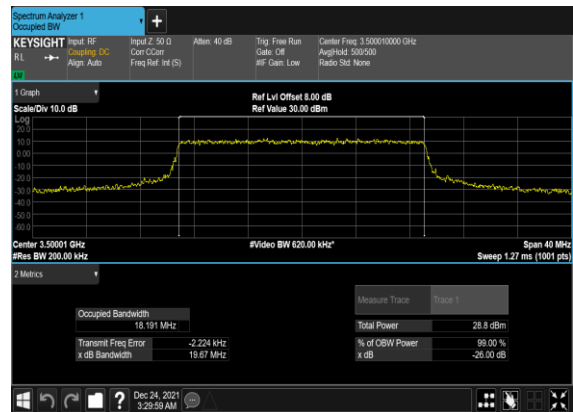
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N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



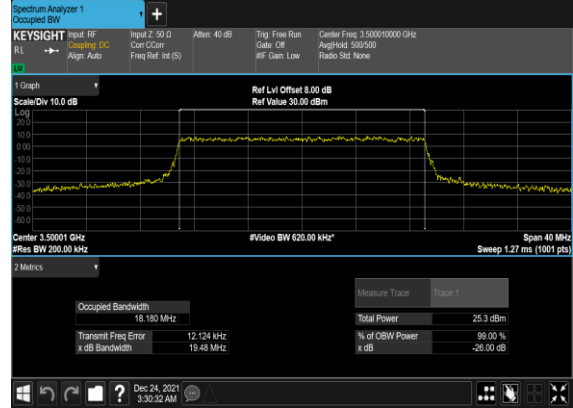
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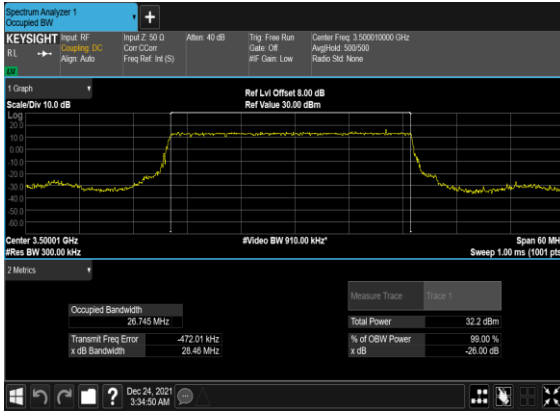
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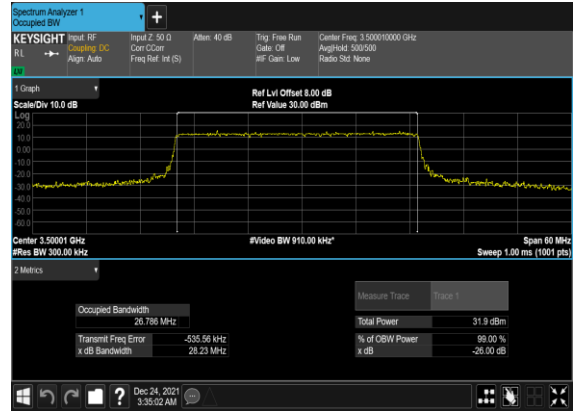
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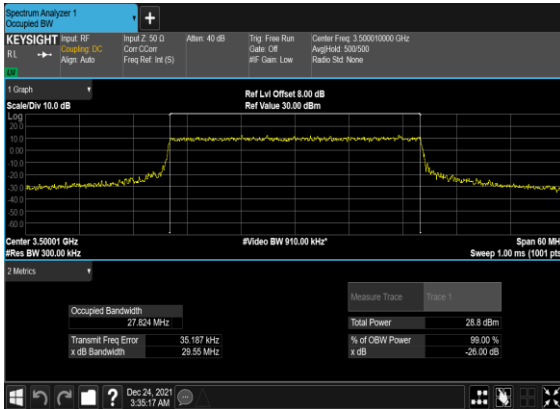
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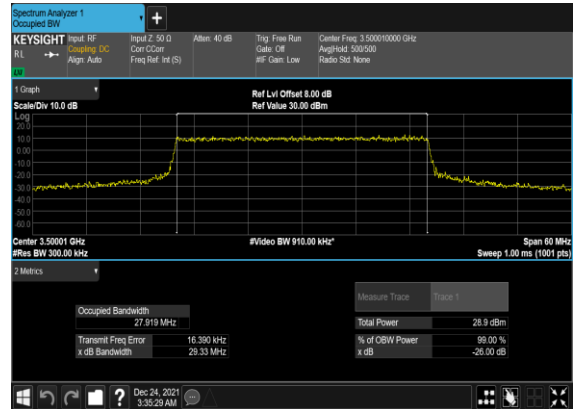
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N78(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



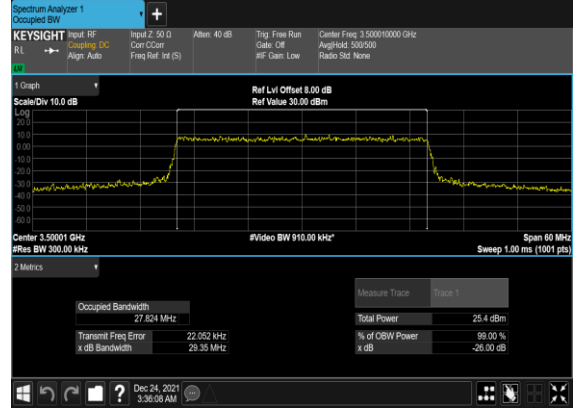
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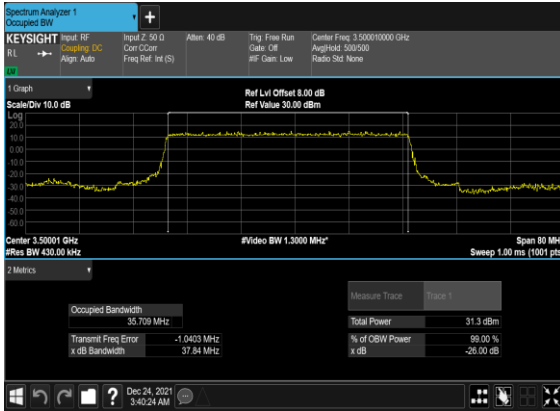
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QAM_Outer_Full_Mid_CH



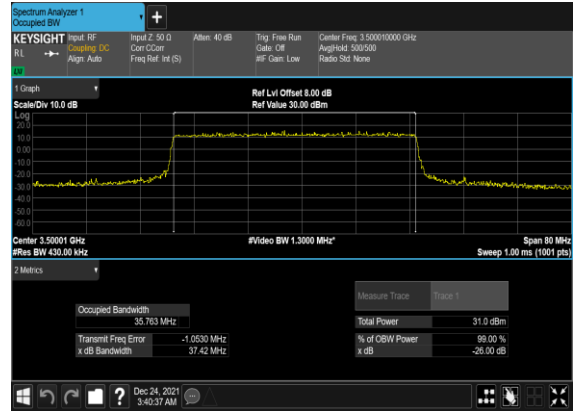
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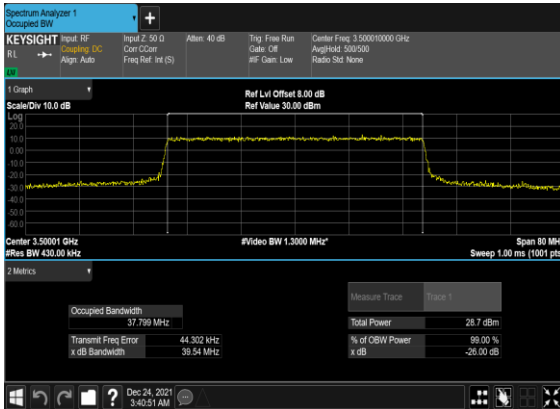
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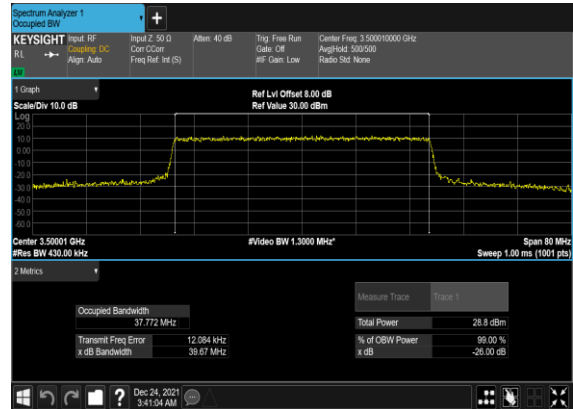
N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



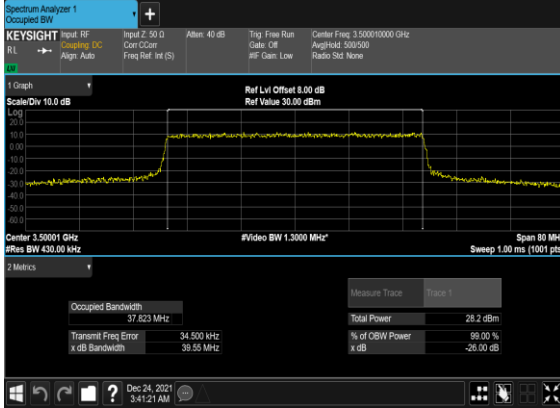
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N78(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



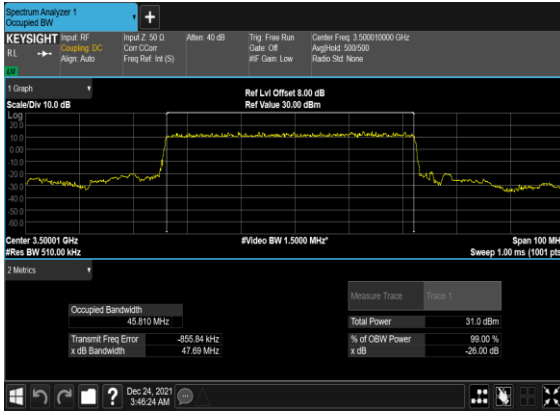
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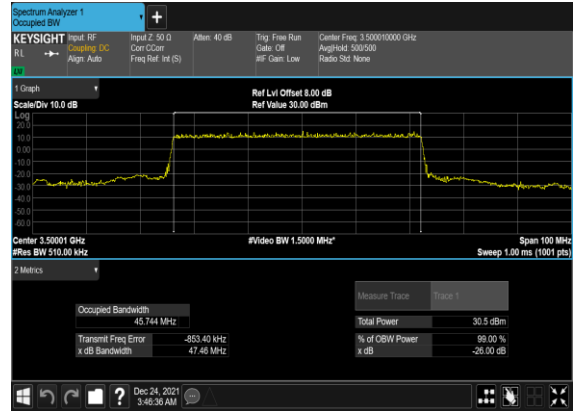
N78(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N78(50M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N78(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



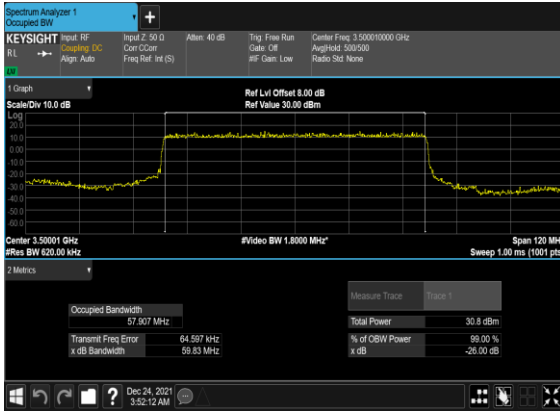
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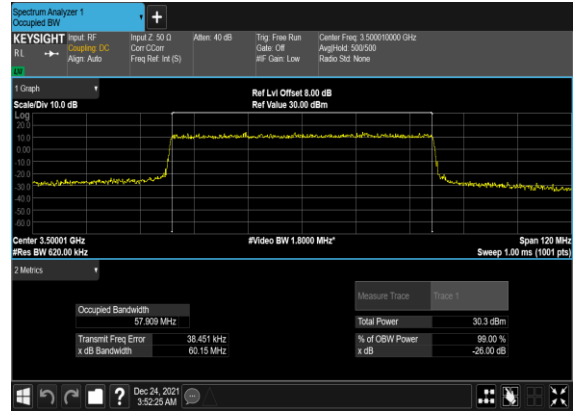
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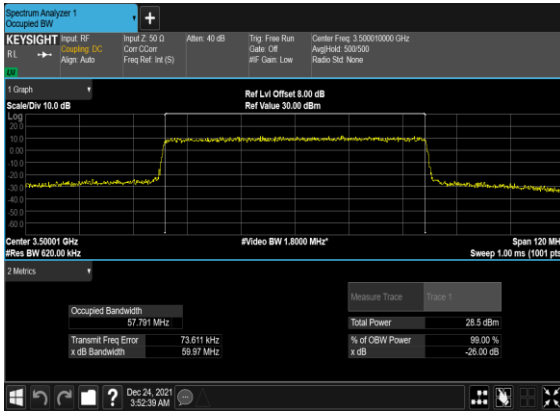
N78(60M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



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N78(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



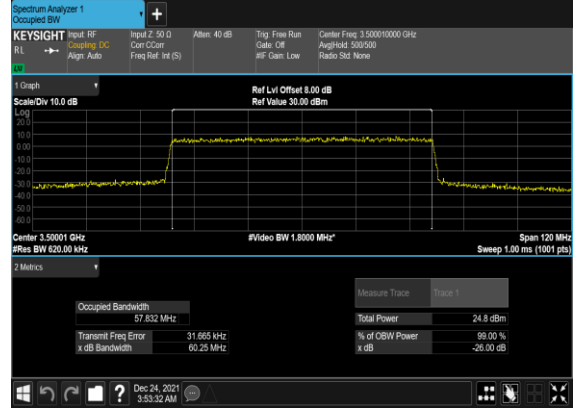
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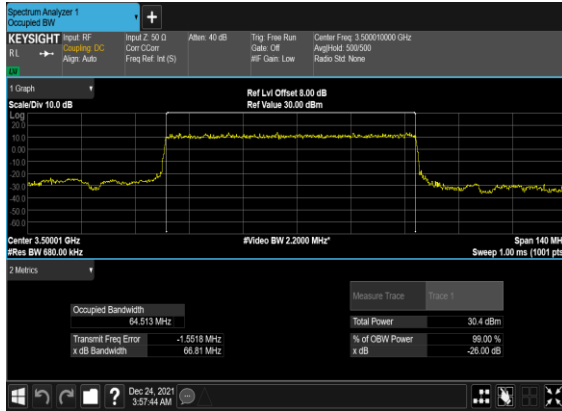
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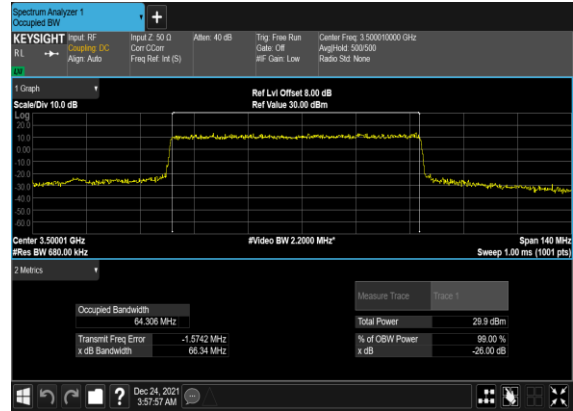
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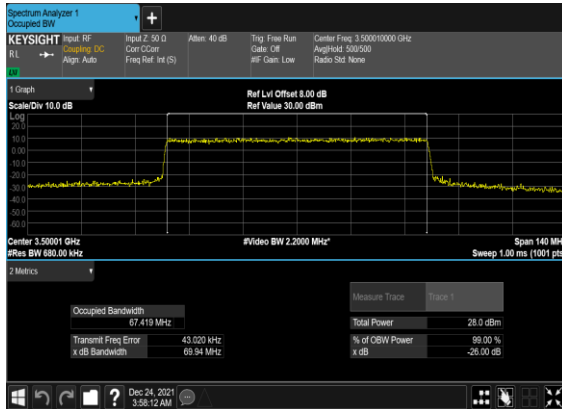
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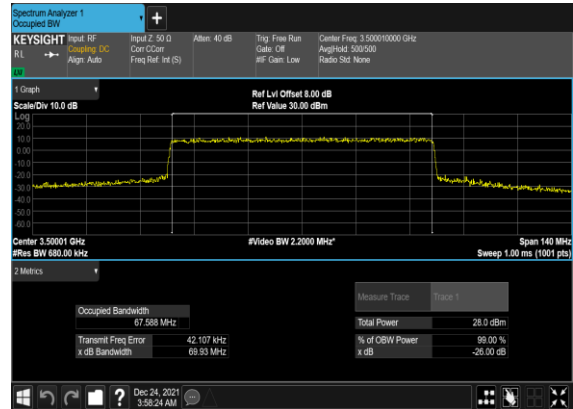
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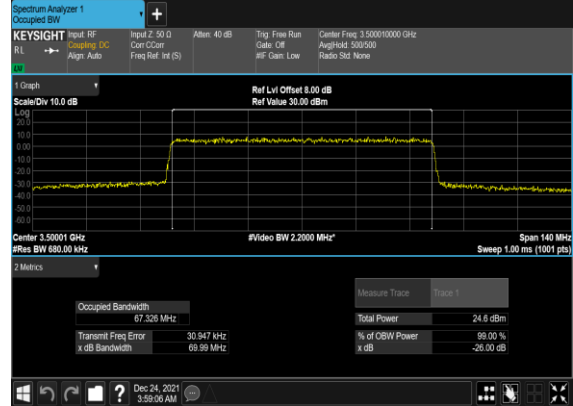
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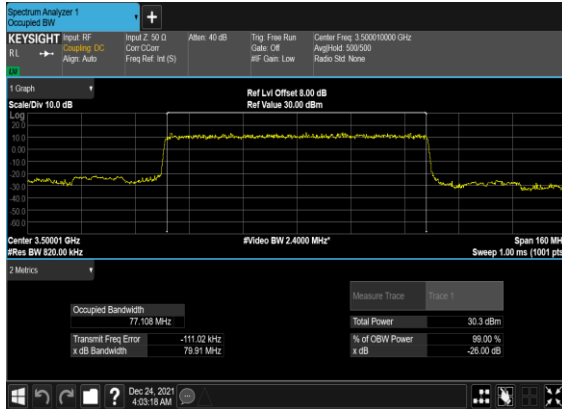
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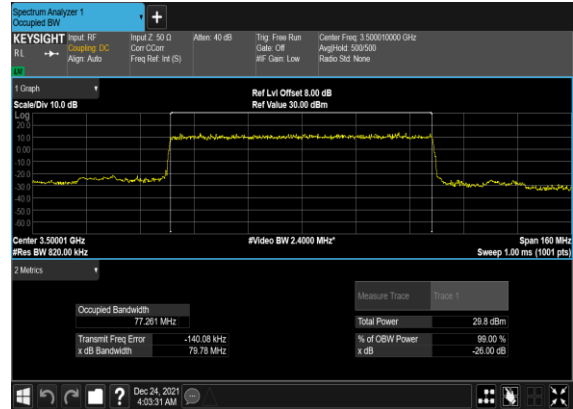
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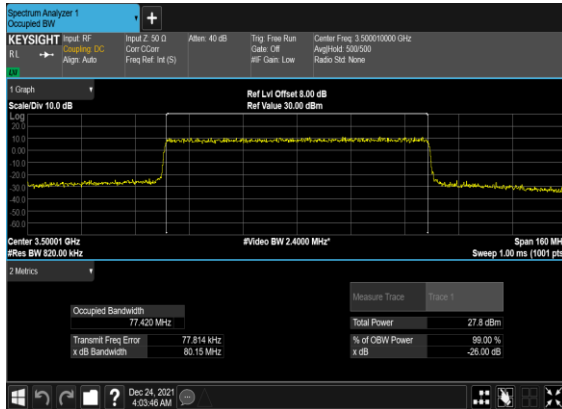
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BPSK_Outer_Full_Mid_CH



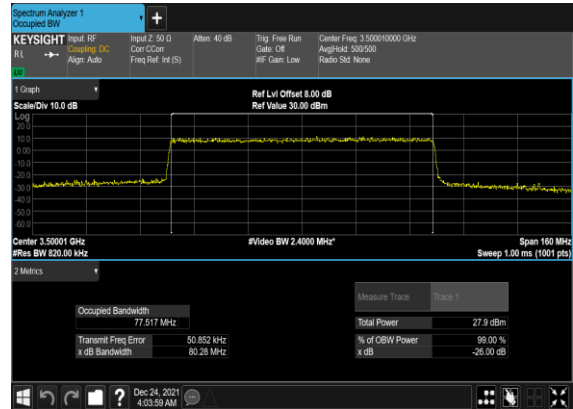
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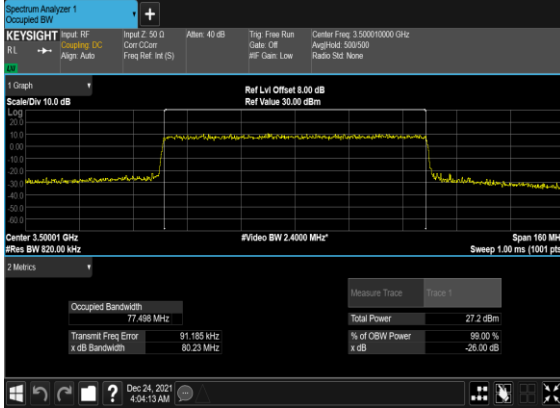
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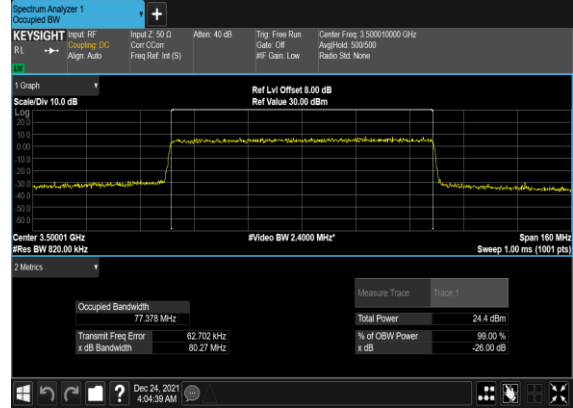
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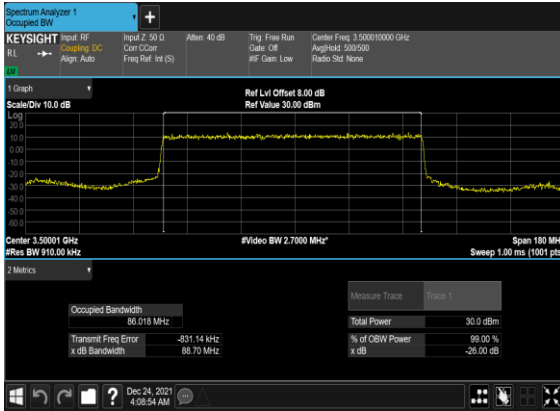
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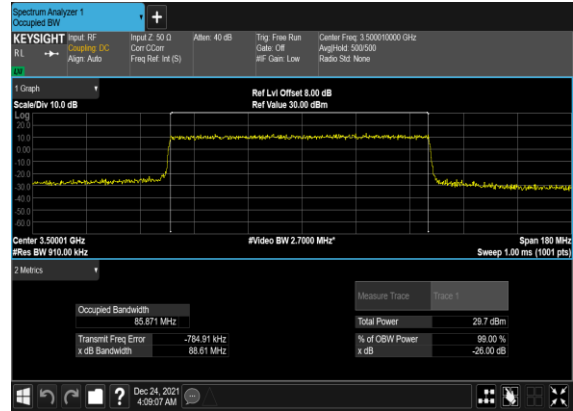
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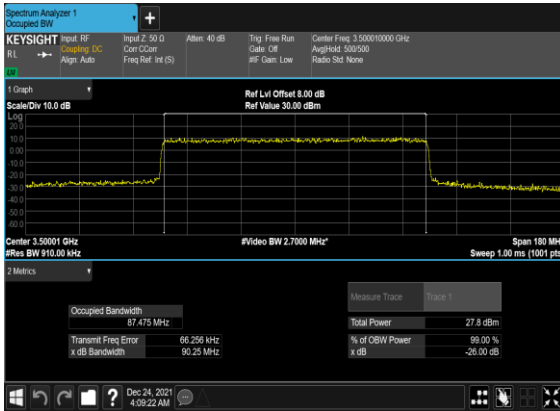
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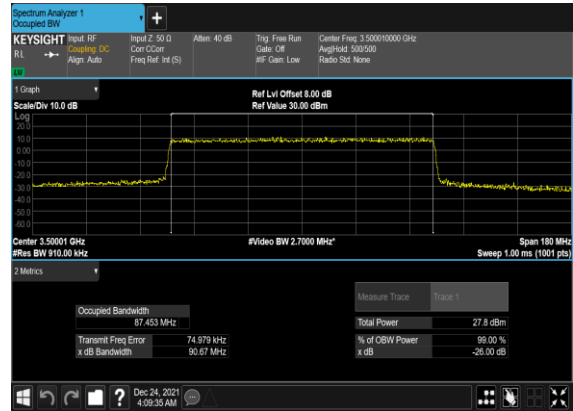
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N78(90M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



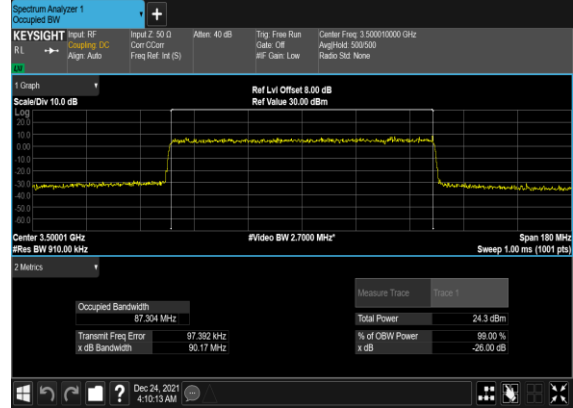
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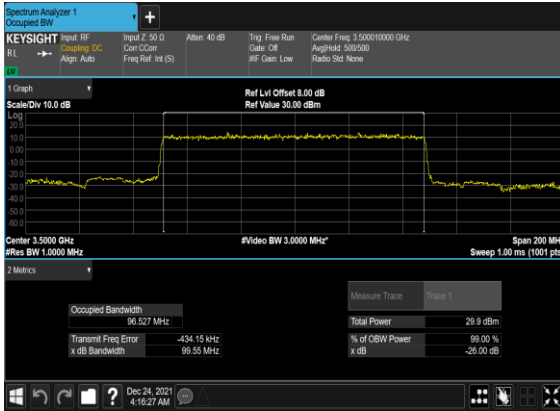
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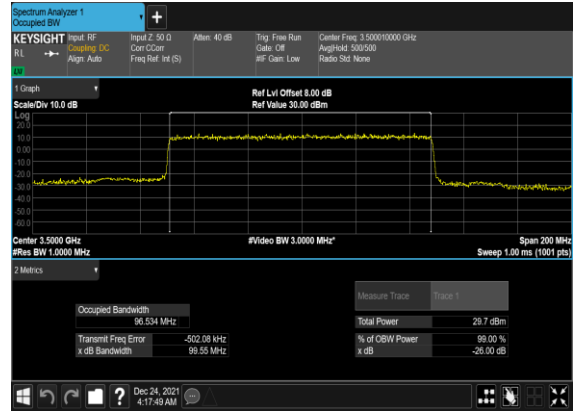
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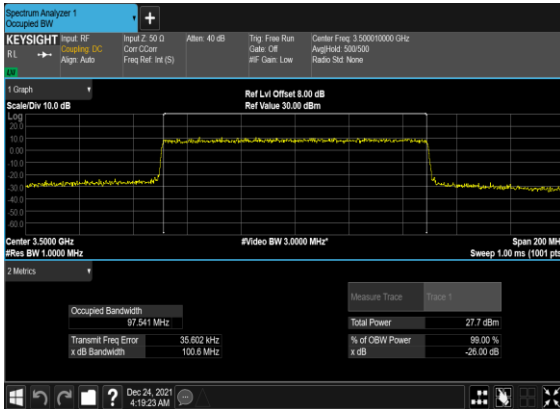
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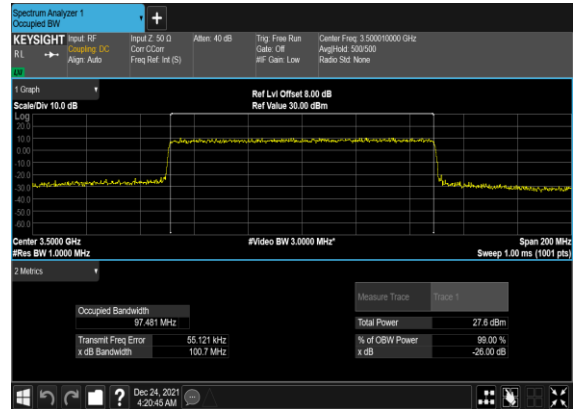
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OFDM_QPSK_Outer_Full_Mid_CH



N78(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



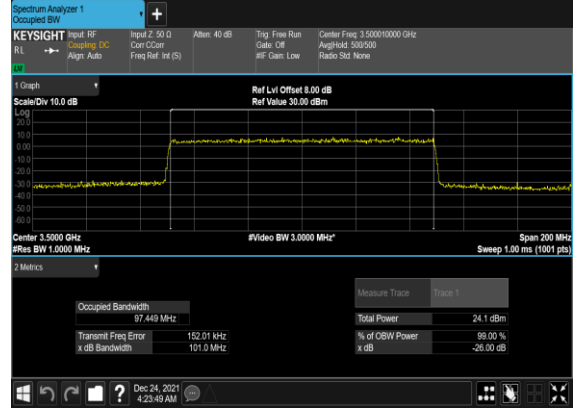
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N78(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

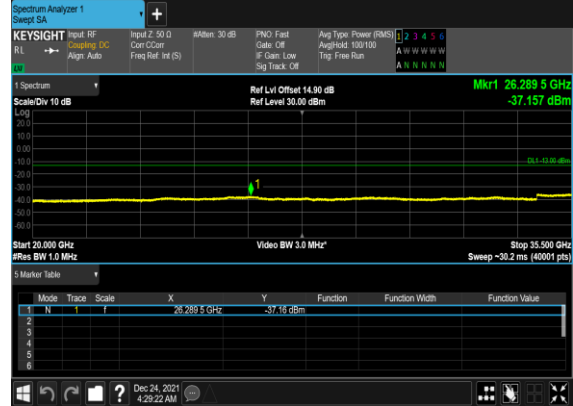
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 630668 | 3460.02 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 20 | 636000 | 3540.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 60 | 632000 | 3480.0 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 78 | 30 | 60 | 632000 | 3480.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 60 | 632000 | 3480.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 60 | 632000 | 3480.0 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |

| | | | | | | | | |
|----|----|-----|--------|---------|--------------------|-----|-----------|------|
| 78 | 30 | 60 | 632000 | 3480.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 60 | 632000 | 3480.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 78 | 30 | 60 | 633334 | 3500.01 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
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| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
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| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 1@0 | see graph | --- |
| 78 | 30 | 60 | 634666 | 3519.99 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
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| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | --- |
| 78 | 30 | 100 | 633334 | 3500.01 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
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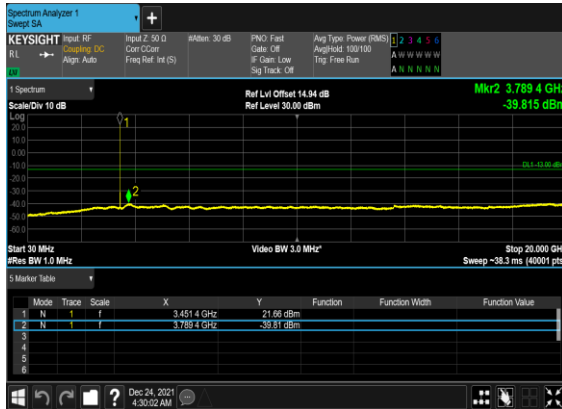
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



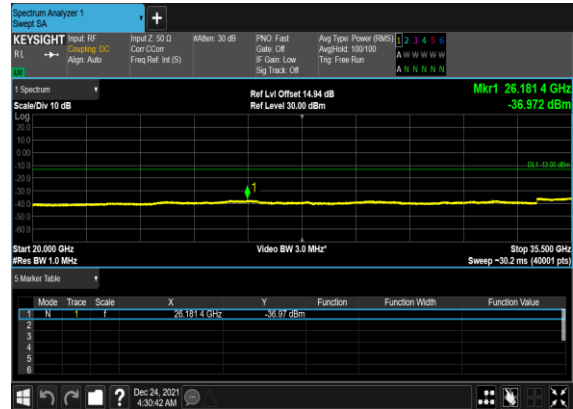
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



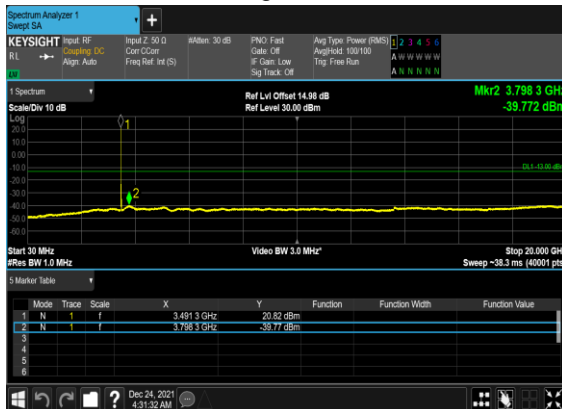
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

