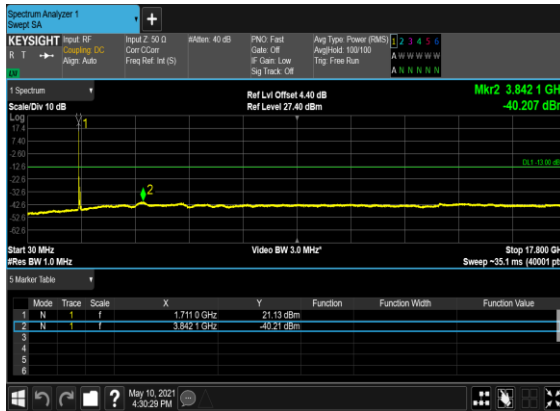
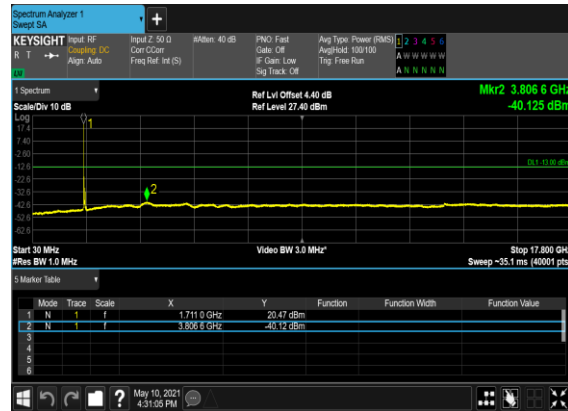


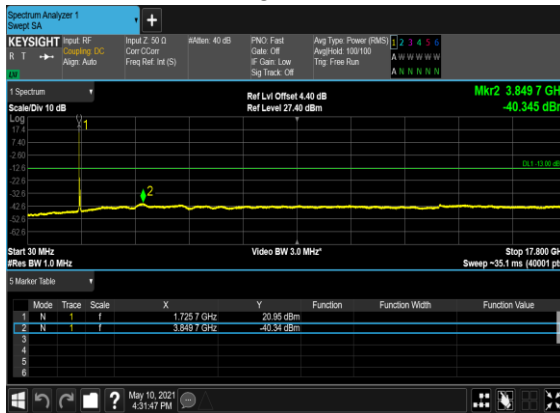
B7_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



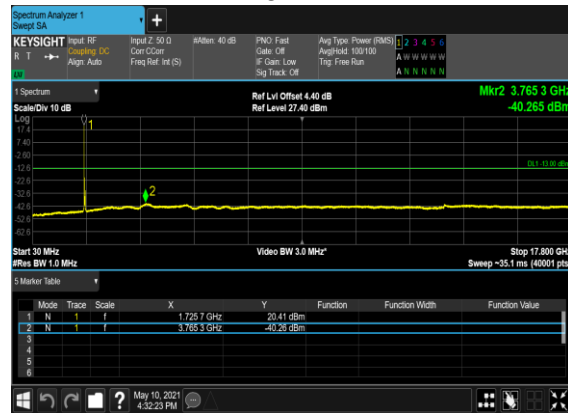
B7_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



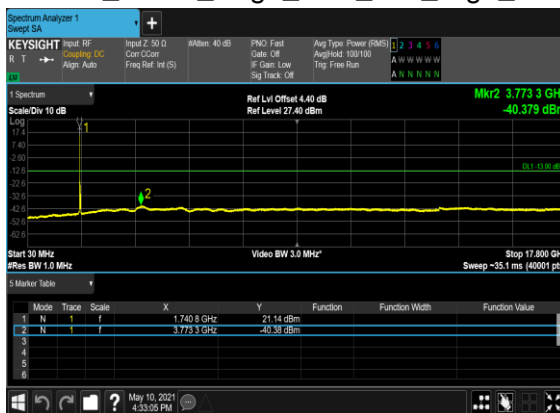
B7_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



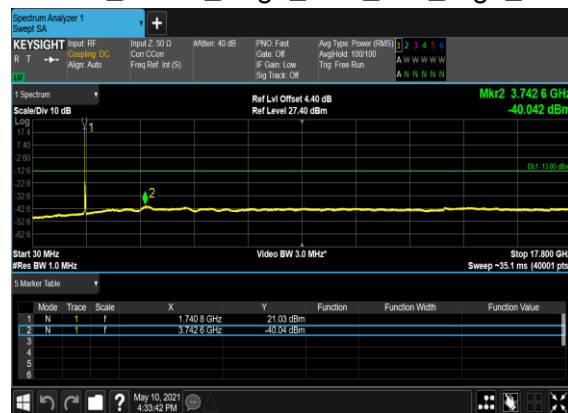
B7_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B7_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B7_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



FR1 N77

LTE Band: 41, LTE BW: 20M, LTE ARFCN: Mid

Transmitter Conducted Output Power And ERP/EIRP, ($G_T - L_C$)=-4.05dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Conducted Power(dBm) | EIRP (dBm) | EIRP (W) |
|------------|--------------|--------------------|--------|---------------|-----------------------------|------|-------------------------|---------------|-------------|
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM PI/2 BPSK | 12@6 | 21.99 | 17.94 | 0.0622 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM PI/2 BPSK | 1@1 | 22.27 | 18.22 | 0.0664 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM PI/2 BPSK | 1@22 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM QPSK | 12@6 | 22.38 | 18.33 | 0.0681 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM QPSK | 1@1 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM QPSK | 1@22 | 22.16 | 18.11 | 0.0647 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 16 QAM | 12@6 | 21.43 | 17.38 | 0.0547 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 16 QAM | 1@1 | 21.35 | 17.3 | 0.0537 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 16 QAM | 1@22 | 21.34 | 17.29 | 0.0536 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 64 QAM | 12@6 | 19.86 | 15.81 | 0.0381 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 64 QAM | 1@1 | 19.6 | 15.55 | 0.0359 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 64 QAM | 1@22 | 19.76 | 15.71 | 0.0372 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 256 QAM | 12@6 | 18.19 | 14.14 | 0.0259 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 256 QAM | 1@1 | 18.2 | 14.15 | 0.0260 |
| 77 | 30 | 10 | 647000 | 3705 | DFT-s- OFDM 256 QAM | 1@22 | 17.88 | 13.83 | 0.0242 |
| 77 | 30 | 10 | 647000 | 3705 | CP-OFDM QPSK | 12@6 | 20.85 | 16.8 | 0.0479 |
| 77 | 30 | 10 | 647000 | 3705 | CP-OFDM QPSK | 1@1 | 20.89 | 16.84 | 0.0483 |
| 77 | 30 | 10 | 647000 | 3705 | CP-OFDM QPSK | 1@22 | 20.78 | 16.73 | 0.0471 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 12@6 | 22.58 | 18.53 | 0.0713 |

| | | | | | | | | | |
|----|----|----|--------|------|----------------------|------|-------|-------|--------|
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.3 | 18.25 | 0.0668 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@22 | 22.15 | 18.1 | 0.0646 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM QPSK | 12@6 | 22.37 | 18.32 | 0.0679 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@22 | 22.26 | 18.21 | 0.0662 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 12@6 | 21.35 | 17.3 | 0.0537 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 21.44 | 17.39 | 0.0548 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@22 | 21.33 | 17.28 | 0.0535 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 12@6 | 20.02 | 15.97 | 0.0395 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 19.74 | 15.69 | 0.0371 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@22 | 19.51 | 15.46 | 0.0352 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 12@6 | 17.93 | 13.88 | 0.0244 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 17.79 | 13.74 | 0.0237 |
| 77 | 30 | 10 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@22 | 17.77 | 13.72 | 0.0236 |
| 77 | 30 | 10 | 656000 | 3840 | CP-OFDM QPSK | 12@6 | 20.86 | 16.81 | 0.0480 |
| 77 | 30 | 10 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.81 | 16.76 | 0.0474 |
| 77 | 30 | 10 | 656000 | 3840 | CP-OFDM QPSK | 1@22 | 20.68 | 16.63 | 0.0460 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM PI/2 BPSK | 12@6 | 22.5 | 18.45 | 0.0700 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.19 | 18.14 | 0.0652 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM PI/2 BPSK | 1@22 | 22.41 | 18.36 | 0.0685 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM QPSK | 12@6 | 22.39 | 18.34 | 0.0682 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM QPSK | 1@1 | 22.13 | 18.08 | 0.0643 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM QPSK | 1@22 | 22.2 | 18.15 | 0.0653 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 16 QAM | 12@6 | 21.49 | 17.44 | 0.0555 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|------|-------|-------|--------|
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 16 QAM | 1@1 | 21.3 | 17.25 | 0.0531 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 16 QAM | 1@22 | 21.43 | 17.38 | 0.0547 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 64 QAM | 12@6 | 19.96 | 15.91 | 0.0390 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 64 QAM | 1@1 | 19.5 | 15.45 | 0.0351 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 64 QAM | 1@22 | 19.58 | 15.53 | 0.0357 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 256 QAM | 12@6 | 17.96 | 13.91 | 0.0246 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 256 QAM | 1@1 | 17.67 | 13.62 | 0.0230 |
| 77 | 30 | 10 | 665000 | 3975 | DFT-s-OFDM 256 QAM | 1@22 | 17.65 | 13.6 | 0.0229 |
| 77 | 30 | 10 | 665000 | 3975 | CP-OFDM QPSK | 12@6 | 20.84 | 16.79 | 0.0478 |
| 77 | 30 | 10 | 665000 | 3975 | CP-OFDM QPSK | 1@1 | 20.72 | 16.67 | 0.0465 |
| 77 | 30 | 10 | 665000 | 3975 | CP-OFDM QPSK | 1@22 | 20.88 | 16.83 | 0.0482 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM PI/2 BPSK | 18@9 | 21.87 | 17.82 | 0.0605 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.29 | 18.24 | 0.0667 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM PI/2 BPSK | 1@36 | 22.22 | 18.17 | 0.0656 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM QPSK | 18@9 | 22.33 | 18.28 | 0.0673 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM QPSK | 1@1 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM QPSK | 1@36 | 22.13 | 18.08 | 0.0643 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 16 QAM | 18@9 | 21.29 | 17.24 | 0.0530 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 16 QAM | 1@1 | 21.41 | 17.36 | 0.0545 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 16 QAM | 1@36 | 21.25 | 17.2 | 0.0525 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 64 QAM | 18@9 | 19.72 | 15.67 | 0.0369 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 64 QAM | 1@1 | 19.52 | 15.47 | 0.0352 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 64 QAM | 1@36 | 19.37 | 15.32 | 0.0340 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 256 QAM | 18@9 | 18 | 13.95 | 0.0248 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|------|-------|-------|--------|
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 256 QAM | 1@1 | 17.93 | 13.88 | 0.0244 |
| 77 | 30 | 15 | 647166 | 3707.49 | DFT-s-OFDM 256 QAM | 1@36 | 17.74 | 13.69 | 0.0234 |
| 77 | 30 | 15 | 647166 | 3707.49 | CP-OFDM QPSK | 19@9 | 20.84 | 16.79 | 0.0478 |
| 77 | 30 | 15 | 647166 | 3707.49 | CP-OFDM QPSK | 1@1 | 20.89 | 16.84 | 0.0483 |
| 77 | 30 | 15 | 647166 | 3707.49 | CP-OFDM QPSK | 1@36 | 20.68 | 16.63 | 0.0460 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 18@9 | 22.39 | 18.34 | 0.0682 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@36 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM QPSK | 18@9 | 22.39 | 18.34 | 0.0682 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 22.27 | 18.22 | 0.0664 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@36 | 22.22 | 18.17 | 0.0656 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 18@9 | 21.26 | 17.21 | 0.0526 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 21.46 | 17.41 | 0.0551 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@36 | 21.31 | 17.26 | 0.0532 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 18@9 | 19.89 | 15.84 | 0.0384 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 19.52 | 15.47 | 0.0352 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@36 | 19.5 | 15.45 | 0.0351 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 18@9 | 17.93 | 13.88 | 0.0244 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 17.87 | 13.82 | 0.0241 |
| 77 | 30 | 15 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@36 | 17.65 | 13.6 | 0.0229 |
| 77 | 30 | 15 | 656000 | 3840 | CP-OFDM QPSK | 19@9 | 20.87 | 16.82 | 0.0481 |
| 77 | 30 | 15 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.87 | 16.82 | 0.0481 |
| 77 | 30 | 15 | 656000 | 3840 | CP-OFDM QPSK | 1@36 | 20.63 | 16.58 | 0.0455 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM PI/2 BPSK | 18@9 | 22.37 | 18.32 | 0.0679 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.16 | 18.11 | 0.0647 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM PI/2 BPSK | 1@36 | 22.15 | 18.1 | 0.0646 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM QPSK | 18@9 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM QPSK | 1@1 | 22.16 | 18.11 | 0.0647 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM QPSK | 1@36 | 22.17 | 18.12 | 0.0649 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 16 QAM | 18@9 | 21.3 | 17.25 | 0.0531 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 16 QAM | 1@1 | 21.24 | 17.19 | 0.0524 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 16 QAM | 1@36 | 21.23 | 17.18 | 0.0522 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 64 QAM | 18@9 | 19.77 | 15.72 | 0.0373 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 64 QAM | 1@1 | 19.51 | 15.46 | 0.0352 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 64 QAM | 1@36 | 19.72 | 15.67 | 0.0369 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 256 QAM | 18@9 | 17.86 | 13.81 | 0.0240 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 256 QAM | 1@1 | 17.48 | 13.43 | 0.0220 |
| 77 | 30 | 15 | 664833 | 3972.49 | DFT-s-OFDM 256 QAM | 1@36 | 17.8 | 13.75 | 0.0237 |
| 77 | 30 | 15 | 664833 | 3972.49 | CP-OFDM QPSK | 19@9 | 20.91 | 16.86 | 0.0485 |
| 77 | 30 | 15 | 664833 | 3972.49 | CP-OFDM QPSK | 1@1 | 20.49 | 16.44 | 0.0441 |
| 77 | 30 | 15 | 664833 | 3972.49 | CP-OFDM QPSK | 1@36 | 20.67 | 16.62 | 0.0459 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM PI/2 BPSK | 25@12 | 21.85 | 17.8 | 0.0603 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.23 | 18.18 | 0.0658 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM PI/2 BPSK | 1@49 | 22.15 | 18.1 | 0.0646 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM QPSK | 25@12 | 22.3 | 18.25 | 0.0668 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM QPSK | 1@1 | 22.19 | 18.14 | 0.0652 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM QPSK | 1@49 | 22.03 | 17.98 | 0.0628 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 16 QAM | 25@12 | 21.31 | 17.26 | 0.0532 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 16 QAM | 1@1 | 21.45 | 17.4 | 0.0550 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 16 QAM | 1@49 | 21.33 | 17.28 | 0.0535 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 64 QAM | 25@12 | 19.8 | 15.75 | 0.0376 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 64 QAM | 1@1 | 19.55 | 15.5 | 0.0355 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 64 QAM | 1@49 | 19.36 | 15.31 | 0.0340 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 256 QAM | 25@12 | 17.89 | 13.84 | 0.0242 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 256 QAM | 1@1 | 17.86 | 13.81 | 0.0240 |
| 77 | 30 | 20 | 647333 | 3709.99 | DFT-s-OFDM 256 QAM | 1@49 | 17.8 | 13.75 | 0.0237 |
| 77 | 30 | 20 | 647333 | 3709.99 | CP-OFDM QPSK | 25@121 | 19.26 | 15.21 | 0.0332 |
| 77 | 30 | 20 | 647333 | 3709.99 | CP-OFDM QPSK | 1@1 | 20.79 | 16.74 | 0.0472 |
| 77 | 30 | 20 | 647333 | 3709.99 | CP-OFDM QPSK | 1@49 | 20.52 | 16.47 | 0.0444 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 25@12 | 22.52 | 18.47 | 0.0703 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.37 | 18.32 | 0.0679 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@49 | 22.22 | 18.17 | 0.0656 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM QPSK | 25@12 | 22.49 | 18.44 | 0.0698 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@49 | 22.2 | 18.15 | 0.0653 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 25@12 | 21.45 | 17.4 | 0.0550 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 21.17 | 17.12 | 0.0515 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@49 | 21.2 | 17.15 | 0.0519 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 25@12 | 19.96 | 15.91 | 0.0390 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 19.56 | 15.51 | 0.0356 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@49 | 19.61 | 15.56 | 0.0360 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 25@12 | 17.93 | 13.88 | 0.0244 |
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 17.51 | 13.46 | 0.0222 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 20 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@49 | 17.9 | 13.85 | 0.0243 |
| 77 | 30 | 20 | 656000 | 3840 | CP-OFDM QPSK | 25@121 | 19.51 | 15.46 | 0.0352 |
| 77 | 30 | 20 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.81 | 16.76 | 0.0474 |
| 77 | 30 | 20 | 656000 | 3840 | CP-OFDM QPSK | 1@49 | 20.69 | 16.64 | 0.0461 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM PI/2 BPSK | 25@12 | 22.34 | 18.29 | 0.0675 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.03 | 17.98 | 0.0628 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM PI/2 BPSK | 1@49 | 22.21 | 18.16 | 0.0655 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM QPSK | 25@12 | 22.27 | 18.22 | 0.0664 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM QPSK | 1@1 | 22.03 | 17.98 | 0.0628 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM QPSK | 1@49 | 22.24 | 18.19 | 0.0659 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 16 QAM | 25@12 | 21.32 | 17.27 | 0.0533 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 16 QAM | 1@1 | 21.16 | 17.11 | 0.0514 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 16 QAM | 1@49 | 21.19 | 17.14 | 0.0518 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 64 QAM | 25@12 | 19.73 | 15.68 | 0.0370 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 64 QAM | 1@1 | 19.58 | 15.53 | 0.0357 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 64 QAM | 1@49 | 19.42 | 15.37 | 0.0344 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 256 QAM | 25@12 | 17.87 | 13.82 | 0.0241 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 256 QAM | 1@1 | 17.54 | 13.49 | 0.0223 |
| 77 | 30 | 20 | 664667 | 3970.01 | DFT-s-OFDM 256 QAM | 1@49 | 17.3 | 13.25 | 0.0211 |
| 77 | 30 | 20 | 664667 | 3970.01 | CP-OFDM QPSK | 25@121 | 19.27 | 15.22 | 0.0333 |
| 77 | 30 | 20 | 664667 | 3970.01 | CP-OFDM QPSK | 1@1 | 20.59 | 16.54 | 0.0451 |
| 77 | 30 | 20 | 664667 | 3970.01 | CP-OFDM QPSK | 1@49 | 20.65 | 16.6 | 0.0457 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM PI/2 BPSK | 50@25 | 21.73 | 17.68 | 0.0586 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.89 | 17.84 | 0.0608 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM PI/2 BPSK | 1@104 | 21.96 | 17.91 | 0.0618 |

| | | | | | | | | | |
|----|----|----|--------|------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM QPSK | 50@25 | 22.27 | 18.22 | 0.0664 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM QPSK | 1@1 | 21.95 | 17.9 | 0.0617 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM QPSK | 1@104 | 21.91 | 17.86 | 0.0611 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 16 QAM | 50@25 | 21.27 | 17.22 | 0.0527 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 16 QAM | 1@1 | 20.86 | 16.81 | 0.0480 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 16 QAM | 1@104 | 20.89 | 16.84 | 0.0483 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 64 QAM | 50@25 | 19.75 | 15.7 | 0.0372 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 64 QAM | 1@1 | 19.1 | 15.05 | 0.0320 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 64 QAM | 1@104 | 19.38 | 15.33 | 0.0341 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 256 QAM | 50@25 | 17.96 | 13.91 | 0.0246 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 256 QAM | 1@1 | 17.46 | 13.41 | 0.0219 |
| 77 | 30 | 40 | 648000 | 3720 | DFT-s-OFDM 256 QAM | 1@104 | 17.5 | 13.45 | 0.0221 |
| 77 | 30 | 40 | 648000 | 3720 | CP-OFDM QPSK | 53@26 | 20.74 | 16.69 | 0.0467 |
| 77 | 30 | 40 | 648000 | 3720 | CP-OFDM QPSK | 1@1 | 20.44 | 16.39 | 0.0436 |
| 77 | 30 | 40 | 648000 | 3720 | CP-OFDM QPSK | 1@104 | 20.4 | 16.35 | 0.0432 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 50@25 | 22.49 | 18.44 | 0.0698 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.92 | 17.87 | 0.0612 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@104 | 21.7 | 17.65 | 0.0582 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM QPSK | 50@25 | 22.44 | 18.39 | 0.0690 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 21.98 | 17.93 | 0.0621 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@104 | 21.74 | 17.69 | 0.0587 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 50@25 | 21.54 | 17.49 | 0.0561 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 20.86 | 16.81 | 0.0480 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@104 | 20.62 | 16.57 | 0.0454 |

| | | | | | | | | | |
|----|----|----|--------|------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 50@25 | 20.13 | 16.08 | 0.0406 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 19.22 | 15.17 | 0.0329 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@104 | 19.16 | 15.11 | 0.0324 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 50@25 | 17.87 | 13.82 | 0.0241 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 17.56 | 13.51 | 0.0224 |
| 77 | 30 | 40 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@104 | 17.11 | 13.06 | 0.0202 |
| 77 | 30 | 40 | 656000 | 3840 | CP-OFDM QPSK | 53@26 | 20.94 | 16.89 | 0.0489 |
| 77 | 30 | 40 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.44 | 16.39 | 0.0436 |
| 77 | 30 | 40 | 656000 | 3840 | CP-OFDM QPSK | 1@104 | 20.24 | 16.19 | 0.0416 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM PI/2 BPSK | 50@25 | 22.18 | 18.13 | 0.0650 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.6 | 17.55 | 0.0569 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM PI/2 BPSK | 1@104 | 21.82 | 17.77 | 0.0598 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM QPSK | 50@25 | 22.27 | 18.22 | 0.0664 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM QPSK | 1@1 | 21.67 | 17.62 | 0.0578 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM QPSK | 1@104 | 21.78 | 17.73 | 0.0593 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 16 QAM | 50@25 | 21.25 | 17.2 | 0.0525 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 16 QAM | 1@1 | 20.7 | 16.65 | 0.0462 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 16 QAM | 1@104 | 20.98 | 16.93 | 0.0493 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 64 QAM | 50@25 | 19.8 | 15.75 | 0.0376 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 64 QAM | 1@1 | 18.89 | 14.84 | 0.0305 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 64 QAM | 1@104 | 18.98 | 14.93 | 0.0311 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 256 QAM | 50@25 | 17.8 | 13.75 | 0.0237 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 256 QAM | 1@1 | 17.22 | 13.17 | 0.0207 |
| 77 | 30 | 40 | 664000 | 3960 | DFT-s-OFDM 256 QAM | 1@104 | 17.29 | 13.24 | 0.0211 |

| | | | | | | | | | |
|----|----|----|--------|---------|-----------------------------|-------|-------|-------|--------|
| 77 | 30 | 40 | 664000 | 3960 | CP-OFDM QPSK | 53@26 | 20.69 | 16.64 | 0.0461 |
| 77 | 30 | 40 | 664000 | 3960 | CP-OFDM QPSK | 1@1 | 20.13 | 16.08 | 0.0406 |
| 77 | 30 | 40 | 664000 | 3960 | CP-OFDM QPSK | 1@104 | 20.34 | 16.29 | 0.0426 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM PI/2 BPSK | 64@32 | 21.84 | 17.79 | 0.0601 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM PI/2 BPSK | 1@1 | 22 | 17.95 | 0.0624 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM PI/2 BPSK | 1@131 | 22.17 | 18.12 | 0.0649 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM QPSK | 64@32 | 22.26 | 18.21 | 0.0662 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM QPSK | 1@1 | 22.03 | 17.98 | 0.0628 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM QPSK | 1@131 | 22.19 | 18.14 | 0.0652 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 16 QAM | 64@32 | 21.32 | 17.27 | 0.0533 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 16 QAM | 1@1 | 21.02 | 16.97 | 0.0498 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 16 QAM | 1@131 | 21.17 | 17.12 | 0.0515 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 64 QAM | 64@32 | 19.74 | 15.69 | 0.0371 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 64 QAM | 1@1 | 19.37 | 15.32 | 0.0340 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 64 QAM | 1@131 | 19.37 | 15.32 | 0.0340 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 256 QAM | 64@32 | 17.9 | 13.85 | 0.0243 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 256 QAM | 1@1 | 17.66 | 13.61 | 0.0230 |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s- OFDM 256 QAM | 1@131 | 17.99 | 13.94 | 0.0248 |
| 77 | 30 | 50 | 648333 | 3724.99 | CP-OFDM QPSK | 67@33 | 20.7 | 16.65 | 0.0462 |
| 77 | 30 | 50 | 648333 | 3724.99 | CP-OFDM QPSK | 1@1 | 20.64 | 16.59 | 0.0456 |
| 77 | 30 | 50 | 648333 | 3724.99 | CP-OFDM QPSK | 1@131 | 20.69 | 16.64 | 0.0461 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 64@32 | 22.48 | 18.43 | 0.0697 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@1 | 22.24 | 18.19 | 0.0659 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@131 | 22 | 17.95 | 0.0624 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s- OFDM QPSK | 64@32 | 22.49 | 18.44 | 0.0698 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 22.29 | 18.24 | 0.0667 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@131 | 22.09 | 18.04 | 0.0637 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 64@32 | 21.49 | 17.44 | 0.0555 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 21.29 | 17.24 | 0.0530 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@131 | 21.27 | 17.22 | 0.0527 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 64@32 | 19.92 | 15.87 | 0.0386 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 19.5 | 15.45 | 0.0351 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@131 | 19.43 | 15.38 | 0.0345 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 64@32 | 18 | 13.95 | 0.0248 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 18.04 | 13.99 | 0.0251 |
| 77 | 30 | 50 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@131 | 17.62 | 13.57 | 0.0228 |
| 77 | 30 | 50 | 656000 | 3840 | CP-OFDM QPSK | 67@33 | 20.92 | 16.87 | 0.0486 |
| 77 | 30 | 50 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.84 | 16.79 | 0.0478 |
| 77 | 30 | 50 | 656000 | 3840 | CP-OFDM QPSK | 1@131 | 20.62 | 16.57 | 0.0454 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM PI/2 BPSK | 64@32 | 22.28 | 18.23 | 0.0665 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.92 | 17.87 | 0.0612 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM PI/2 BPSK | 1@131 | 22.03 | 17.98 | 0.0628 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM QPSK | 64@32 | 22.34 | 18.29 | 0.0675 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM QPSK | 1@1 | 21.82 | 17.77 | 0.0598 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM QPSK | 1@131 | 22.21 | 18.16 | 0.0655 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 16 QAM | 64@32 | 21.31 | 17.26 | 0.0532 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 16 QAM | 1@1 | 20.94 | 16.89 | 0.0489 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 16 QAM | 1@131 | 21.14 | 17.09 | 0.0512 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 64 QAM | 64@32 | 19.8 | 15.75 | 0.0376 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 64 QAM | 1@1 | 19.31 | 15.26 | 0.0336 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 64 QAM | 1@131 | 19.36 | 15.31 | 0.0340 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 256 QAM | 64@32 | 17.76 | 13.71 | 0.0235 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 256 QAM | 1@1 | 17.62 | 13.57 | 0.0228 |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM 256 QAM | 1@131 | 17.63 | 13.58 | 0.0228 |
| 77 | 30 | 50 | 663667 | 3955.01 | CP-OFDM QPSK | 67@33 | 20.75 | 16.7 | 0.0468 |
| 77 | 30 | 50 | 663667 | 3955.01 | CP-OFDM QPSK | 1@1 | 20.56 | 16.51 | 0.0448 |
| 77 | 30 | 50 | 663667 | 3955.01 | CP-OFDM QPSK | 1@131 | 20.49 | 16.44 | 0.0441 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM PI/2 BPSK | 81@40 | 21.8 | 17.75 | 0.0596 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.77 | 17.72 | 0.0592 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM PI/2 BPSK | 1@160 | 22.03 | 17.98 | 0.0628 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM QPSK | 81@40 | 22.28 | 18.23 | 0.0665 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM QPSK | 1@1 | 21.84 | 17.79 | 0.0601 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM QPSK | 1@160 | 22.13 | 18.08 | 0.0643 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 16 QAM | 81@40 | 21.29 | 17.24 | 0.0530 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 16 QAM | 1@1 | 20.9 | 16.85 | 0.0484 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 16 QAM | 1@160 | 20.95 | 16.9 | 0.0490 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 64 QAM | 81@40 | 19.75 | 15.7 | 0.0372 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 64 QAM | 1@1 | 19.14 | 15.09 | 0.0323 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 64 QAM | 1@160 | 19.74 | 15.69 | 0.0371 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 256 QAM | 81@40 | 17.91 | 13.86 | 0.0243 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 256 QAM | 1@1 | 17.79 | 13.74 | 0.0237 |
| 77 | 30 | 60 | 648667 | 3730.01 | DFT-s-OFDM 256 QAM | 1@160 | 17.99 | 13.94 | 0.0248 |
| 77 | 30 | 60 | 648667 | 3730.01 | CP-OFDM QPSK | 81@40 | 20.83 | 16.78 | 0.0476 |

| | | | | | | | | | |
|----|----|----|--------|---------|-----------------------------|-------|-------|-------|--------|
| 77 | 30 | 60 | 648667 | 3730.01 | CP-OFDM QPSK | 1@1 | 20.39 | 16.34 | 0.0431 |
| 77 | 30 | 60 | 648667 | 3730.01 | CP-OFDM QPSK | 1@160 | 20.76 | 16.71 | 0.0469 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 81@40 | 22.5 | 18.45 | 0.0700 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@1 | 22.01 | 17.96 | 0.0625 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@160 | 21.84 | 17.79 | 0.0601 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM QPSK | 81@40 | 22.28 | 18.23 | 0.0665 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM QPSK | 1@1 | 21.98 | 17.93 | 0.0621 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM QPSK | 1@160 | 21.91 | 17.86 | 0.0611 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 16 QAM | 81@40 | 21.43 | 17.38 | 0.0547 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 16 QAM | 1@1 | 21.06 | 17.01 | 0.0502 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 16 QAM | 1@160 | 21.16 | 17.11 | 0.0514 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 64 QAM | 81@40 | 19.95 | 15.9 | 0.0389 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 64 QAM | 1@1 | 19.45 | 15.4 | 0.0347 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 64 QAM | 1@160 | 19.26 | 15.21 | 0.0332 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 256 QAM | 81@40 | 17.88 | 13.83 | 0.0242 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 256 QAM | 1@1 | 17.45 | 13.4 | 0.0219 |
| 77 | 30 | 60 | 656000 | 3840 | DFT-s- OFDM 256 QAM | 1@160 | 17.53 | 13.48 | 0.0223 |
| 77 | 30 | 60 | 656000 | 3840 | CP-OFDM QPSK | 81@40 | 20.87 | 16.82 | 0.0481 |
| 77 | 30 | 60 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.67 | 16.62 | 0.0459 |
| 77 | 30 | 60 | 656000 | 3840 | CP-OFDM QPSK | 1@160 | 20.57 | 16.52 | 0.0449 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s- OFDM PI/2 BPSK | 81@40 | 22.27 | 18.22 | 0.0664 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s- OFDM PI/2 BPSK | 1@1 | 21.86 | 17.81 | 0.0604 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s- OFDM PI/2 BPSK | 1@160 | 21.91 | 17.86 | 0.0611 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s- OFDM QPSK | 81@40 | 22.24 | 18.19 | 0.0659 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s- OFDM | 1@1 | 21.77 | 17.72 | 0.0592 |

| QPSK | | | | | | | | | |
|------|----|----|--------|---------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM QPSK | 1@160 | 22.02 | 17.97 | 0.0627 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 16 QAM | 81@40 | 21.21 | 17.16 | 0.0520 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 16 QAM | 1@1 | 20.9 | 16.85 | 0.0484 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 16 QAM | 1@160 | 21.18 | 17.13 | 0.0516 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 64 QAM | 81@40 | 19.7 | 15.65 | 0.0367 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 64 QAM | 1@1 | 19.19 | 15.14 | 0.0327 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 64 QAM | 1@160 | 19.33 | 15.28 | 0.0337 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 256 QAM | 81@40 | 17.6 | 13.55 | 0.0226 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 256 QAM | 1@1 | 17.28 | 13.23 | 0.0210 |
| 77 | 30 | 60 | 663333 | 3949.99 | DFT-s-OFDM 256 QAM | 1@160 | 17.62 | 13.57 | 0.0228 |
| 77 | 30 | 60 | 663333 | 3949.99 | CP-OFDM QPSK | 81@40 | 20.68 | 16.63 | 0.0460 |
| 77 | 30 | 60 | 663333 | 3949.99 | CP-OFDM QPSK | 1@1 | 20.37 | 16.32 | 0.0429 |
| 77 | 30 | 60 | 663333 | 3949.99 | CP-OFDM QPSK | 1@160 | 20.57 | 16.52 | 0.0449 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM PI/2 BPSK | 90@45 | 22.1 | 18.05 | 0.0638 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.07 | 18.02 | 0.0634 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM PI/2 BPSK | 1@187 | 22.13 | 18.08 | 0.0643 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM QPSK | 90@45 | 22.38 | 18.33 | 0.0681 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM QPSK | 1@1 | 22.04 | 17.99 | 0.0630 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM QPSK | 1@187 | 22.43 | 18.38 | 0.0689 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 16 QAM | 90@45 | 21.39 | 17.34 | 0.0542 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 16 QAM | 1@1 | 21.2 | 17.15 | 0.0519 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 16 QAM | 1@187 | 21.15 | 17.1 | 0.0513 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 64 QAM | 90@45 | 19.85 | 15.8 | 0.0380 |

| | | | | | | | | | |
|----|----|----|--------|------|----------------------|-------|-------|-------|--------|
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 64 QAM | 1@1 | 19.44 | 15.39 | 0.0346 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 64 QAM | 1@187 | 19.94 | 15.89 | 0.0388 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 256 QAM | 90@45 | 18.01 | 13.96 | 0.0249 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 256 QAM | 1@1 | 17.89 | 13.84 | 0.0242 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM 256 QAM | 1@187 | 18.09 | 14.04 | 0.0254 |
| 77 | 30 | 70 | 649000 | 3735 | CP-OFDM QPSK | 95@47 | 21.03 | 16.98 | 0.0499 |
| 77 | 30 | 70 | 649000 | 3735 | CP-OFDM QPSK | 1@1 | 20.59 | 16.54 | 0.0451 |
| 77 | 30 | 70 | 649000 | 3735 | CP-OFDM QPSK | 1@187 | 21.06 | 17.01 | 0.0502 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 90@45 | 22.79 | 18.74 | 0.0748 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1 | 22.31 | 18.26 | 0.0670 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@187 | 22.14 | 18.09 | 0.0644 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM QPSK | 90@45 | 22.48 | 18.43 | 0.0697 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 22.08 | 18.03 | 0.0635 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@187 | 22.21 | 18.16 | 0.0655 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 90@45 | 21.63 | 17.58 | 0.0573 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 21.26 | 17.21 | 0.0526 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@187 | 21.46 | 17.41 | 0.0551 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 90@45 | 20.05 | 16 | 0.0398 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 19.65 | 15.6 | 0.0363 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@187 | 19.46 | 15.41 | 0.0348 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 90@45 | 18.08 | 14.03 | 0.0253 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 17.55 | 13.5 | 0.0224 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@187 | 17.63 | 13.58 | 0.0228 |
| 77 | 30 | 70 | 656000 | 3840 | CP-OFDM QPSK | 95@47 | 20.97 | 16.92 | 0.0492 |

| | | | | | | | | | |
|----|----|----|--------|---------|-----------------------------|--------|-------|-------|--------|
| 77 | 30 | 70 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.77 | 16.72 | 0.0470 |
| 77 | 30 | 70 | 656000 | 3840 | CP-OFDM QPSK | 1@187 | 20.67 | 16.62 | 0.0459 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM PI/2 BPSK | 90@45 | 22.37 | 18.32 | 0.0679 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM PI/2 BPSK | 1@1 | 21.96 | 17.91 | 0.0618 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM PI/2 BPSK | 1@187 | 22.11 | 18.06 | 0.0640 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM QPSK | 90@45 | 22.54 | 18.49 | 0.0706 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM QPSK | 1@1 | 21.97 | 17.92 | 0.0619 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM QPSK | 1@187 | 22.22 | 18.17 | 0.0656 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 16 QAM | 90@45 | 21.51 | 17.46 | 0.0557 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 16 QAM | 1@1 | 21 | 16.95 | 0.0495 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 16 QAM | 1@187 | 21.38 | 17.33 | 0.0541 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 64 QAM | 90@45 | 19.9 | 15.85 | 0.0385 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 64 QAM | 1@1 | 19.49 | 15.44 | 0.0350 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 64 QAM | 1@187 | 19.63 | 15.58 | 0.0361 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 256 QAM | 90@45 | 17.8 | 13.75 | 0.0237 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 256 QAM | 1@1 | 17.48 | 13.43 | 0.0220 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s- OFDM 256 QAM | 1@187 | 17.82 | 13.77 | 0.0238 |
| 77 | 30 | 70 | 663000 | 3945 | CP-OFDM QPSK | 95@47 | 20.78 | 16.73 | 0.0471 |
| 77 | 30 | 70 | 663000 | 3945 | CP-OFDM QPSK | 1@1 | 20.57 | 16.52 | 0.0449 |
| 77 | 30 | 70 | 663000 | 3945 | CP-OFDM QPSK | 1@187 | 20.87 | 16.82 | 0.0481 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s- OFDM PI/2 BPSK | 108@54 | 21.88 | 17.83 | 0.0607 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s- OFDM PI/2 BPSK | 1@1 | 21.76 | 17.71 | 0.0590 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s- OFDM PI/2 BPSK | 1@215 | 21.96 | 17.91 | 0.0618 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s- OFDM QPSK | 108@54 | 22.41 | 18.36 | 0.0685 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s- OFDM | 1@1 | 21.79 | 17.74 | 0.0594 |

| QPSK | | | | | | | | | |
|------|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM QPSK | 1@215 | 21.88 | 17.83 | 0.0607 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 16 QAM | 108@54 | 21.42 | 17.37 | 0.0546 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 16 QAM | 1@1 | 20.74 | 16.69 | 0.0467 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 16 QAM | 1@215 | 20.89 | 16.84 | 0.0483 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 64 QAM | 108@54 | 19.85 | 15.8 | 0.0380 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 64 QAM | 1@1 | 19.02 | 14.97 | 0.0314 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 64 QAM | 1@215 | 19.3 | 15.25 | 0.0335 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 256 QAM | 108@54 | 18.1 | 14.05 | 0.0254 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 256 QAM | 1@1 | 17.46 | 13.41 | 0.0219 |
| 77 | 30 | 80 | 649333 | 3739.99 | DFT-s-OFDM 256 QAM | 1@215 | 17.62 | 13.57 | 0.0228 |
| 77 | 30 | 80 | 649333 | 3739.99 | CP-OFDM QPSK | 109@54 | 20.91 | 16.86 | 0.0485 |
| 77 | 30 | 80 | 649333 | 3739.99 | CP-OFDM QPSK | 1@1 | 20.2 | 16.15 | 0.0412 |
| 77 | 30 | 80 | 649333 | 3739.99 | CP-OFDM QPSK | 1@215 | 20.43 | 16.38 | 0.0435 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 108@54 | 22.93 | 18.88 | 0.0773 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.84 | 17.79 | 0.0601 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM PI/2 BPSK | 1@215 | 21.63 | 17.58 | 0.0573 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM QPSK | 108@54 | 22.47 | 18.42 | 0.0695 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@1 | 21.91 | 17.86 | 0.0611 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@215 | 21.5 | 17.45 | 0.0556 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 108@54 | 21.57 | 17.52 | 0.0565 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 21.07 | 17.02 | 0.0504 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@215 | 20.7 | 16.65 | 0.0462 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 108@54 | 19.9 | 15.85 | 0.0385 |

| | | | | | | | | | |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 19.16 | 15.11 | 0.0324 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@215 | 18.97 | 14.92 | 0.0310 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 108@54 | 17.93 | 13.88 | 0.0244 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 17.36 | 13.31 | 0.0214 |
| 77 | 30 | 80 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@215 | 17.13 | 13.08 | 0.0203 |
| 77 | 30 | 80 | 656000 | 3840 | CP-OFDM QPSK | 109@54 | 20.94 | 16.89 | 0.0489 |
| 77 | 30 | 80 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.41 | 16.36 | 0.0433 |
| 77 | 30 | 80 | 656000 | 3840 | CP-OFDM QPSK | 1@215 | 20.22 | 16.17 | 0.0414 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM PI/2 BPSK | 108@54 | 22.34 | 18.29 | 0.0675 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.63 | 17.58 | 0.0573 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM PI/2 BPSK | 1@215 | 21.65 | 17.6 | 0.0575 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM QPSK | 108@54 | 22.38 | 18.33 | 0.0681 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM QPSK | 1@1 | 21.48 | 17.43 | 0.0553 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM QPSK | 1@215 | 21.89 | 17.84 | 0.0608 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 16 QAM | 108@54 | 21.24 | 17.19 | 0.0524 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 16 QAM | 1@1 | 20.64 | 16.59 | 0.0456 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 16 QAM | 1@215 | 20.76 | 16.71 | 0.0469 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 64 QAM | 108@54 | 19.7 | 15.65 | 0.0367 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 64 QAM | 1@1 | 18.85 | 14.8 | 0.0302 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 64 QAM | 1@215 | 19.07 | 15.02 | 0.0318 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 256 QAM | 108@54 | 17.77 | 13.72 | 0.0236 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 256 QAM | 1@1 | 17.11 | 13.06 | 0.0202 |
| 77 | 30 | 80 | 662667 | 3940.01 | DFT-s-OFDM 256 QAM | 1@215 | 17.17 | 13.12 | 0.0205 |
| 77 | 30 | 80 | 662667 | 3940.01 | CP-OFDM QPSK | 109@54 | 20.75 | 16.7 | 0.0468 |

| | | | | | | | | | |
|----|----|----|--------|---------|-----------------------------|--------|-------|-------|--------|
| 77 | 30 | 80 | 662667 | 3940.01 | CP-OFDM QPSK | 1@1 | 20.1 | 16.05 | 0.0403 |
| 77 | 30 | 80 | 662667 | 3940.01 | CP-OFDM QPSK | 1@215 | 20.28 | 16.23 | 0.0420 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM PI/2 BPSK | 120@60 | 21.86 | 17.81 | 0.0604 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM PI/2 BPSK | 1@1 | 21.78 | 17.73 | 0.0593 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM PI/2 BPSK | 1@243 | 21.71 | 17.66 | 0.0583 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM QPSK | 120@60 | 22.49 | 18.44 | 0.0698 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM QPSK | 1@1 | 21.64 | 17.59 | 0.0574 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM QPSK | 1@243 | 21.69 | 17.64 | 0.0581 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 16 QAM | 120@60 | 21.35 | 17.3 | 0.0537 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 16 QAM | 1@1 | 20.67 | 16.62 | 0.0459 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 16 QAM | 1@243 | 20.7 | 16.65 | 0.0462 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 64 QAM | 120@60 | 19.93 | 15.88 | 0.0387 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 64 QAM | 1@1 | 18.95 | 14.9 | 0.0309 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 64 QAM | 1@243 | 19.1 | 15.05 | 0.0320 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 256 QAM | 120@60 | 18.09 | 14.04 | 0.0254 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 256 QAM | 1@1 | 17.39 | 13.34 | 0.0216 |
| 77 | 30 | 90 | 649667 | 3745.01 | DFT-s- OFDM 256 QAM | 1@243 | 17.63 | 13.58 | 0.0228 |
| 77 | 30 | 90 | 649667 | 3745.01 | CP-OFDM QPSK | 123@61 | 20.85 | 16.8 | 0.0479 |
| 77 | 30 | 90 | 649667 | 3745.01 | CP-OFDM QPSK | 1@1 | 20.06 | 16.01 | 0.0399 |
| 77 | 30 | 90 | 649667 | 3745.01 | CP-OFDM QPSK | 1@243 | 20.23 | 16.18 | 0.0415 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 120@60 | 22.5 | 18.45 | 0.0700 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@1 | 21.66 | 17.61 | 0.0577 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@243 | 21.51 | 17.46 | 0.0557 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s- OFDM QPSK | 120@60 | 22.46 | 18.41 | 0.0693 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s- OFDM | 1@1 | 21.7 | 17.65 | 0.0582 |

| QPSK | | | | | | | | | |
|------|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM QPSK | 1@243 | 21.48 | 17.43 | 0.0553 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 120@60 | 21.43 | 17.38 | 0.0547 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@1 | 20.68 | 16.63 | 0.0460 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 16 QAM | 1@243 | 20.68 | 16.63 | 0.0460 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 120@60 | 19.9 | 15.85 | 0.0385 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@1 | 18.91 | 14.86 | 0.0306 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 64 QAM | 1@243 | 18.81 | 14.76 | 0.0299 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 120@60 | 17.91 | 13.86 | 0.0243 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@1 | 17.28 | 13.23 | 0.0210 |
| 77 | 30 | 90 | 656000 | 3840 | DFT-s-OFDM 256 QAM | 1@243 | 16.99 | 12.94 | 0.0197 |
| 77 | 30 | 90 | 656000 | 3840 | CP-OFDM QPSK | 123@61 | 20.88 | 16.83 | 0.0482 |
| 77 | 30 | 90 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.24 | 16.19 | 0.0416 |
| 77 | 30 | 90 | 656000 | 3840 | CP-OFDM QPSK | 1@243 | 20.12 | 16.07 | 0.0405 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM PI/2 BPSK | 120@60 | 22.24 | 18.19 | 0.0659 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.38 | 17.33 | 0.0541 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM PI/2 BPSK | 1@243 | 21.51 | 17.46 | 0.0557 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM QPSK | 120@60 | 22.21 | 18.16 | 0.0655 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM QPSK | 1@1 | 21.4 | 17.35 | 0.0543 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM QPSK | 1@243 | 21.59 | 17.54 | 0.0568 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 16 QAM | 120@60 | 21.2 | 17.15 | 0.0519 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 16 QAM | 1@1 | 20.58 | 16.53 | 0.0450 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 16 QAM | 1@243 | 20.65 | 16.6 | 0.0457 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 64 QAM | 120@60 | 19.72 | 15.67 | 0.0369 |

| | | | | | | | | | |
|----|----|-----|--------|---------|----------------------|--------|-------|-------|--------|
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 64 QAM | 1@1 | 18.63 | 14.58 | 0.0287 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 64 QAM | 1@243 | 18.78 | 14.73 | 0.0297 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 256 QAM | 120@60 | 17.68 | 13.63 | 0.0231 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 256 QAM | 1@1 | 16.9 | 12.85 | 0.0193 |
| 77 | 30 | 90 | 662333 | 3934.99 | DFT-s-OFDM 256 QAM | 1@243 | 17.09 | 13.04 | 0.0201 |
| 77 | 30 | 90 | 662333 | 3934.99 | CP-OFDM QPSK | 123@61 | 20.69 | 16.64 | 0.0461 |
| 77 | 30 | 90 | 662333 | 3934.99 | CP-OFDM QPSK | 1@1 | 19.93 | 15.88 | 0.0387 |
| 77 | 30 | 90 | 662333 | 3934.99 | CP-OFDM QPSK | 1@243 | 20.12 | 16.07 | 0.0405 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM PI/2 BPSK | 135@67 | 21.73 | 17.68 | 0.0586 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM PI/2 BPSK | 1@1 | 21.42 | 17.37 | 0.0546 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM PI/2 BPSK | 1@271 | 21.54 | 17.49 | 0.0561 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM QPSK | 135@67 | 22.46 | 18.41 | 0.0693 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM QPSK | 1@1 | 21.38 | 17.33 | 0.0541 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM QPSK | 1@271 | 21.57 | 17.52 | 0.0565 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 16 QAM | 135@67 | 21.46 | 17.41 | 0.0551 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 16 QAM | 1@1 | 20.32 | 16.27 | 0.0424 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 16 QAM | 1@271 | 20.62 | 16.57 | 0.0454 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM | 135@67 | 19.86 | 15.81 | 0.0381 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM | 1@1 | 18.66 | 14.61 | 0.0289 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM | 1@271 | 18.95 | 14.9 | 0.0309 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 135@67 | 17.96 | 13.91 | 0.0246 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 1@1 | 17.16 | 13.11 | 0.0205 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 1@271 | 16.89 | 12.84 | 0.0192 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 137@68 | 20.96 | 16.91 | 0.0491 |

| | | | | | | | | | |
|----|----|-----|--------|------|-----------------------------|--------|-------|-------|--------|
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 1@1 | 19.88 | 15.83 | 0.0383 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK | 1@271 | 20.07 | 16.02 | 0.0400 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 135@67 | 22.48 | 18.43 | 0.0697 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@1 | 21.51 | 17.46 | 0.0557 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM PI/2 BPSK | 1@271 | 21.42 | 17.37 | 0.0546 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM QPSK | 135@67 | 22.43 | 18.38 | 0.0689 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM QPSK | 1@1 | 21.58 | 17.53 | 0.0566 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM QPSK | 1@271 | 21.34 | 17.29 | 0.0536 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 16 QAM | 135@67 | 21.39 | 17.34 | 0.0542 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 16 QAM | 1@1 | 20.6 | 16.55 | 0.0452 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 16 QAM | 1@271 | 20.2 | 16.15 | 0.0412 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 64 QAM | 135@67 | 19.99 | 15.94 | 0.0393 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 64 QAM | 1@1 | 18.79 | 14.74 | 0.0298 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 64 QAM | 1@271 | 18.72 | 14.67 | 0.0293 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 256 QAM | 135@67 | 18.02 | 13.97 | 0.0249 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 256 QAM | 1@1 | 17.01 | 12.96 | 0.0198 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s- OFDM 256 QAM | 1@271 | 16.79 | 12.74 | 0.0188 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM QPSK | 137@68 | 20.9 | 16.85 | 0.0484 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM QPSK | 1@1 | 20.13 | 16.08 | 0.0406 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM QPSK | 1@271 | 19.93 | 15.88 | 0.0387 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s- OFDM PI/2 BPSK | 135@67 | 22.38 | 18.33 | 0.0681 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s- OFDM PI/2 BPSK | 1@1 | 21.22 | 17.17 | 0.0521 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s- OFDM PI/2 BPSK | 1@271 | 21.43 | 17.38 | 0.0547 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s- OFDM QPSK | 135@67 | 22.39 | 18.34 | 0.0682 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s- OFDM | 1@1 | 21.3 | 17.25 | 0.0531 |

| QPSK | | | | | | | | | |
|------|----|-----|--------|------|--------------------|--------|-------|-------|--------|
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM QPSK | 1@271 | 21.49 | 17.44 | 0.0555 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 16 QAM | 135@67 | 21.35 | 17.3 | 0.0537 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 16 QAM | 1@1 | 20.36 | 16.31 | 0.0428 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 16 QAM | 1@271 | 20.52 | 16.47 | 0.0444 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 64 QAM | 135@67 | 19.82 | 15.77 | 0.0378 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 64 QAM | 1@1 | 18.48 | 14.43 | 0.0277 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 64 QAM | 1@271 | 18.75 | 14.7 | 0.0295 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 256 QAM | 135@67 | 17.79 | 13.74 | 0.0237 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 256 QAM | 1@1 | 16.76 | 12.71 | 0.0187 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM 256 QAM | 1@271 | 16.99 | 12.94 | 0.0197 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM QPSK | 137@68 | 20.78 | 16.73 | 0.0471 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM QPSK | 1@1 | 19.74 | 15.69 | 0.0371 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM QPSK | 1@271 | 19.97 | 15.92 | 0.0391 |

Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------------|---------|-------------|
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.0055 | PASS | NV |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00818 | PASS | LV |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00359 | PASS | HV |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00411 | PASS | -30°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00312 | PASS | -20°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00198 | PASS | -10°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00181 | PASS | 0°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00182 | PASS | 10°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00227 | PASS | 20°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00268 | PASS | 30°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00242 | PASS | 40°C |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | -0.00193 | PASS | 50°C |

Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|------|-------------|------------|---------|
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM PI/2 BPSK | 24@0 | 7.19 | 13 | PASS |
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.5 | 13 | PASS |
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 24@0 | 8.48 | 13 | PASS |
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 1@0 | 8.12 | 13 | PASS |
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 24@0 | 7.08 | 13 | PASS |
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.5 | 13 | PASS |
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 24@0 | 8.47 | 13 | PASS |
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 1@0 | 8.14 | 13 | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM PI/2 BPSK | 24@0 | 7.1 | 13 | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM PI/2 BPSK | 1@0 | 7.49 | 13 | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 24@0 | 8.43 | 13 | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 1@0 | 8.12 | 13 | PASS |

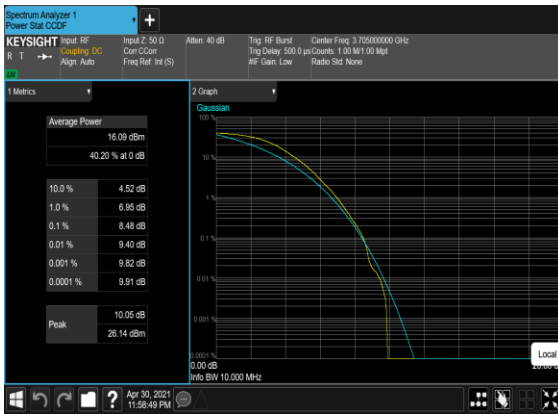
B41_N77(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



B41_N77(10M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Low_CH



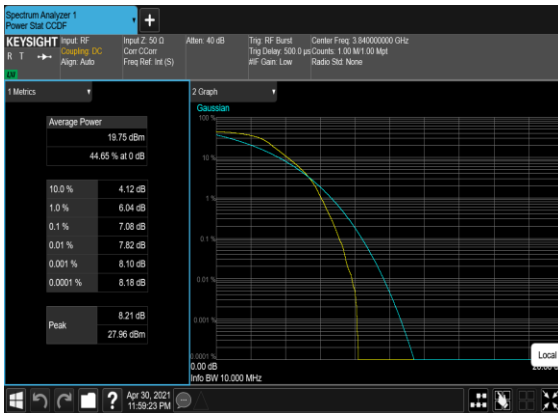
B41_N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B41_N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



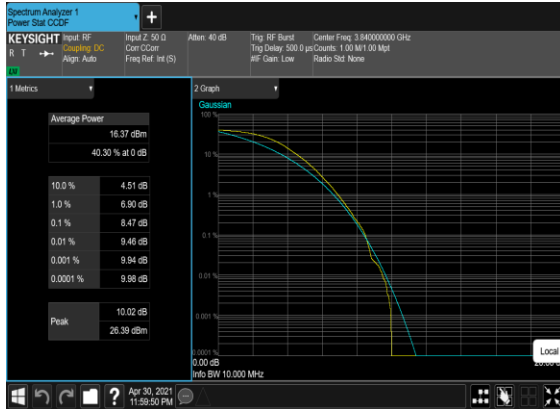
B41_N77(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



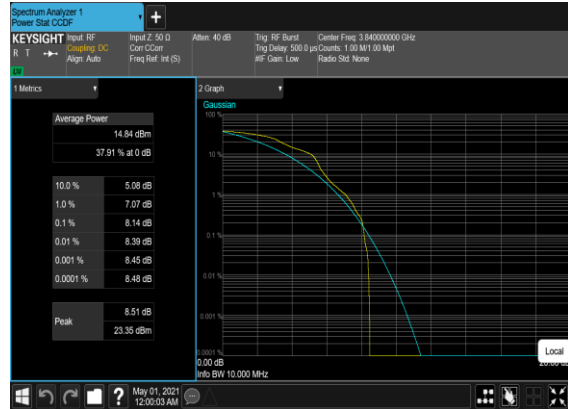
B41_N77(10M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



B41_N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B41_N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B41_N77(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



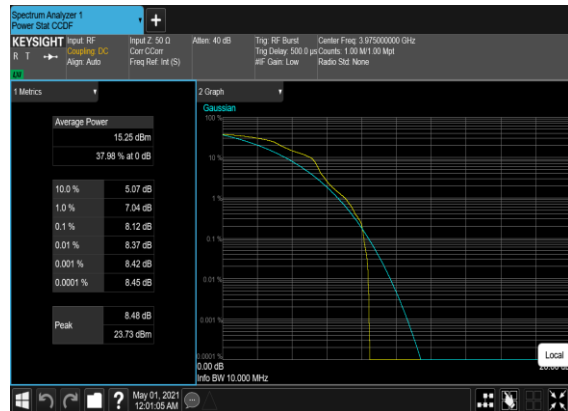
B41_N77(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



B41_N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B41_N77(10M)_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) |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-----------|----------------|
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 24@0 | 8.75 | 9.79 |
| 77 | 30 | 10 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 24@0 | 8.73 | 9.72 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM QPSK | 24@0 | 8.76 | 9.75 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM 16 QAM | 24@0 | 8.75 | 9.7 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM 64 QAM | 24@0 | 8.73 | 9.6 |
| 77 | 30 | 10 | 656000 | 3840.0 | CP-OFDM 256 QAM | 24@0 | 8.76 | 9.66 |
| 77 | 30 | 15 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 36@0 | 13.23 | 14.41 |
| 77 | 30 | 15 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 36@0 | 13.26 | 14.35 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM QPSK | 38@0 | 13.87 | 15.14 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM 16 QAM | 38@0 | 13.92 | 15.67 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM 64 QAM | 38@0 | 13.87 | 15.01 |
| 77 | 30 | 15 | 656000 | 3840.0 | CP-OFDM 256 QAM | 38@0 | 13.89 | 15.1 |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 50@0 | 18.36 | 19.83 |
| 77 | 30 | 20 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 50@0 | 18.37 | 19.94 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM QPSK | 51@0 | 18.63 | 20.15 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM 16 QAM | 51@0 | 18.6 | 20.22 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM 64 QAM | 51@0 | 18.56 | 20.05 |
| 77 | 30 | 20 | 656000 | 3840.0 | CP-OFDM 256 QAM | 51@0 | 18.63 | 20.18 |
| 77 | 30 | 40 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 100@0 | 36.69 | 39.55 |
| 77 | 30 | 40 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 100@0 | 36.7 | 39.48 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM QPSK | 106@0 | 38.75 | 41.62 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 16 QAM | 106@0 | 38.68 | 41.64 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 64 QAM | 106@0 | 38.78 | 41.67 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 256 QAM | 106@0 | 38.79 | 41.71 |

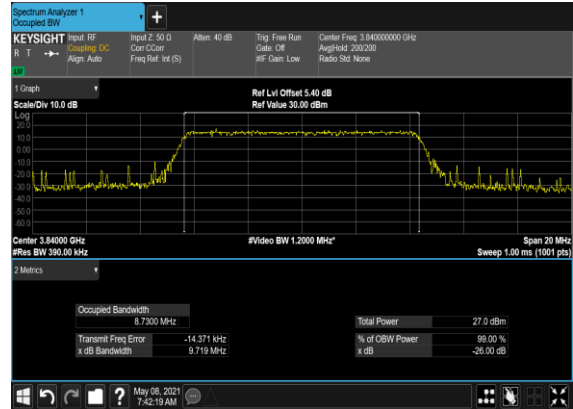
| | | | | | | | | |
|----|----|----|--------|--------|----------------------|-------|-------|-------|
| 77 | 30 | 50 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 128@0 | 46.85 | 50.48 |
| 77 | 30 | 50 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 128@0 | 46.96 | 50.66 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM QPSK | 133@0 | 48.57 | 52.35 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 16 QAM | 133@0 | 48.62 | 52.53 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 64 QAM | 133@0 | 48.67 | 52.43 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 256 QAM | 133@0 | 48.8 | 52.37 |
| 77 | 30 | 60 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 162@0 | 59.39 | 63.96 |
| 77 | 30 | 60 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 162@0 | 59.39 | 63.81 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM QPSK | 162@0 | 59.31 | 63.99 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 16 QAM | 162@0 | 59.21 | 63.85 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 64 QAM | 162@0 | 59.23 | 63.84 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 256 QAM | 162@0 | 59.25 | 63.68 |
| 77 | 30 | 70 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 180@0 | 66.19 | 71.73 |
| 77 | 30 | 70 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 180@0 | 66.37 | 71.69 |
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM QPSK | 189@0 | 69.40 | 74.85 |
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM 16 QAM | 189@0 | 69.23 | 74.88 |
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM 64 QAM | 189@0 | 69.36 | 74.93 |
| 77 | 30 | 70 | 656000 | 3840.0 | CP-OFDM 256 QAM | 189@0 | 69.29 | 74.74 |
| 77 | 30 | 80 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 216@0 | 78.7 | 84.87 |
| 77 | 30 | 80 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 216@0 | 78.8 | 84.48 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM QPSK | 217@0 | 79.25 | 85.19 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM 16 QAM | 217@0 | 79.12 | 85.03 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM 64 QAM | 217@0 | 79.12 | 85.06 |
| 77 | 30 | 80 | 656000 | 3840.0 | CP-OFDM 256 QAM | 217@0 | 79.14 | 84.87 |
| 77 | 30 | 90 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 240@0 | 89.15 | 96.36 |

| | | | | | | | | |
|----|----|-----|--------|--------|----------------------|-------|-------|-------|
| 77 | 30 | 90 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 240@0 | 88.17 | 95.44 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM QPSK | 245@0 | 89.79 | 97.44 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM 16 QAM | 245@0 | 89.75 | 97.45 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM 64 QAM | 245@0 | 89.72 | 97.26 |
| 77 | 30 | 90 | 656000 | 3840.0 | CP-OFDM 256 QAM | 245@0 | 89.83 | 97.34 |
| 77 | 30 | 100 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 270@0 | 98.46 | 106.2 |
| 77 | 30 | 100 | 656000 | 3840.0 | DFT-s-OFDM QPSK | 270@0 | 98.37 | 106.2 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM QPSK | 273@0 | 99.44 | 107.2 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 16 QAM | 273@0 | 99.43 | 107.2 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 64 QAM | 273@0 | 99.24 | 107.3 |
| 77 | 30 | 100 | 656000 | 3840.0 | CP-OFDM 256 QAM | 273@0 | 99.46 | 107.4 |

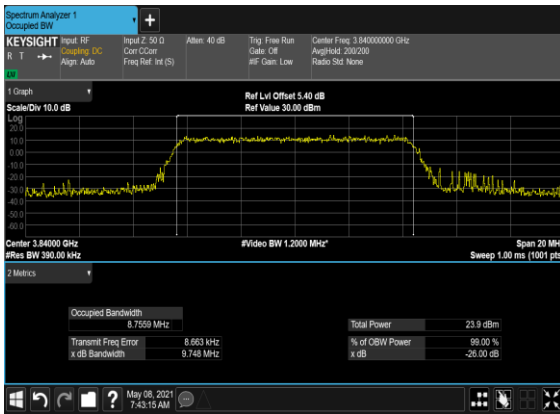
B41_N77(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



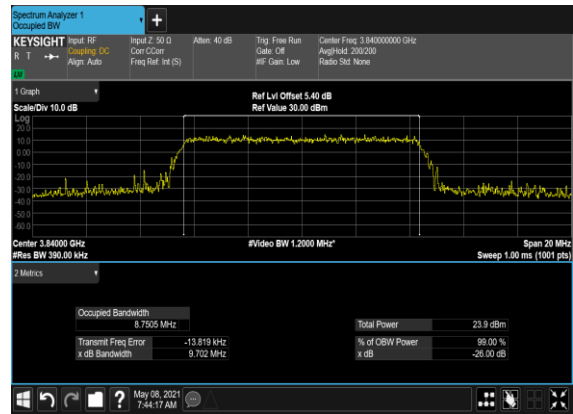
B41_N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



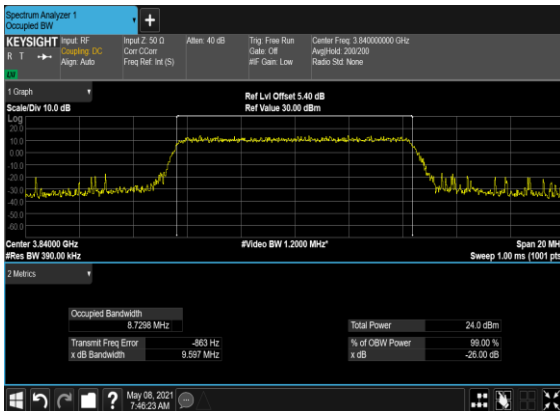
B41_N77(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



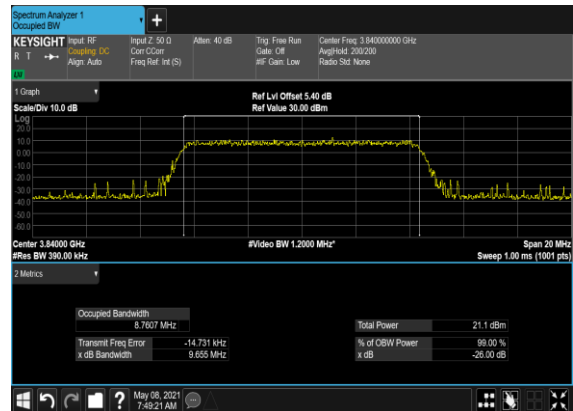
B41_N77(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



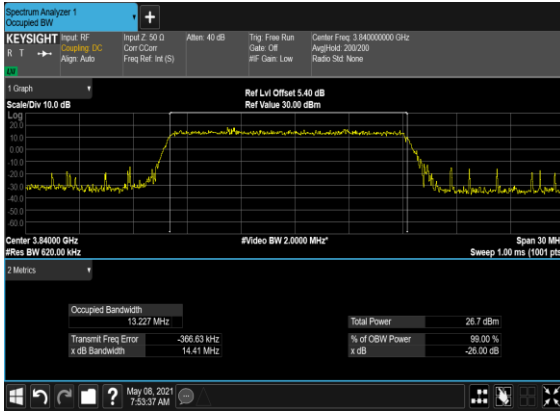
B41_N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



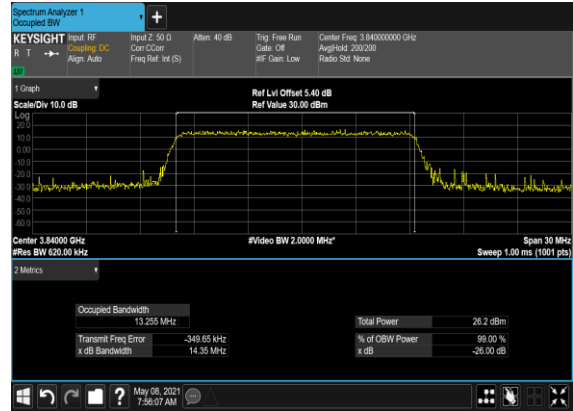
B41_N77(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



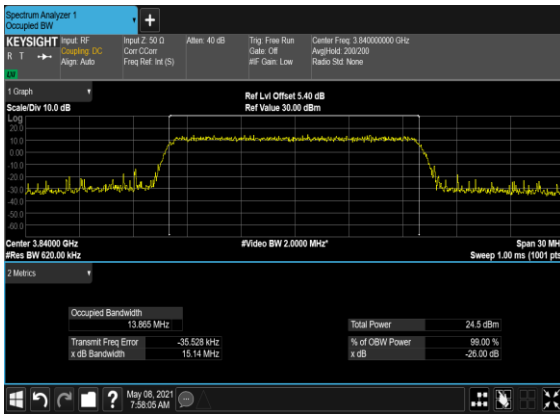
B41_N77(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



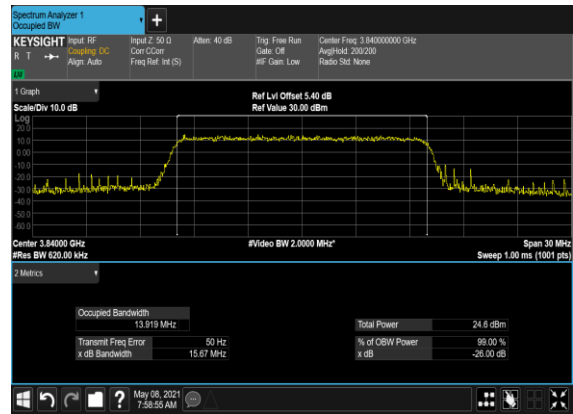
B41_N77(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



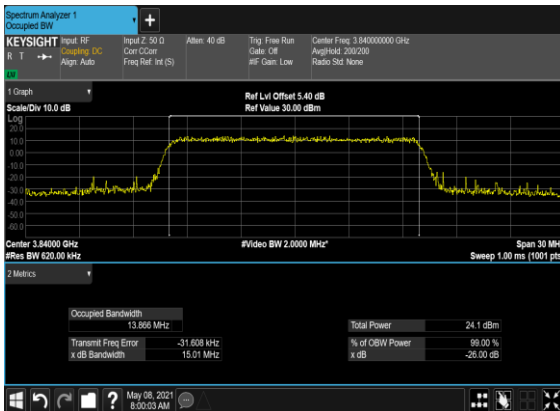
B41_N77(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



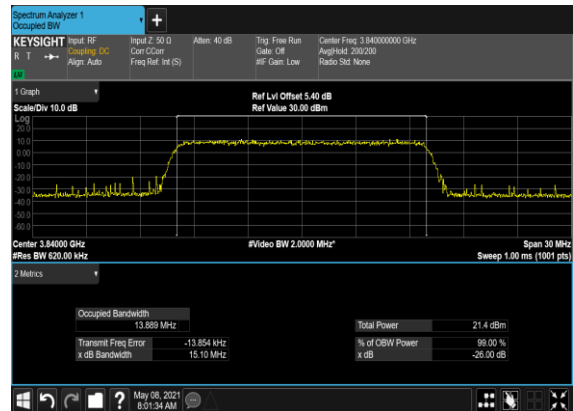
B41_N77(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



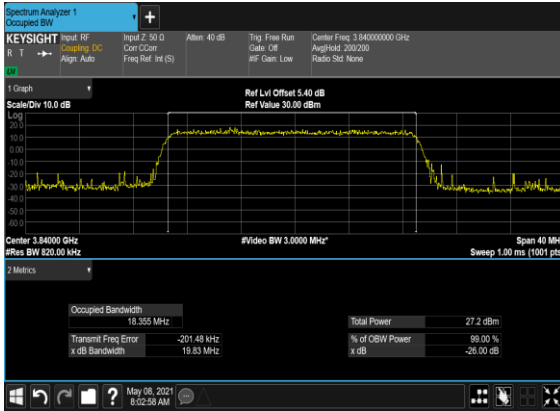
B41_N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



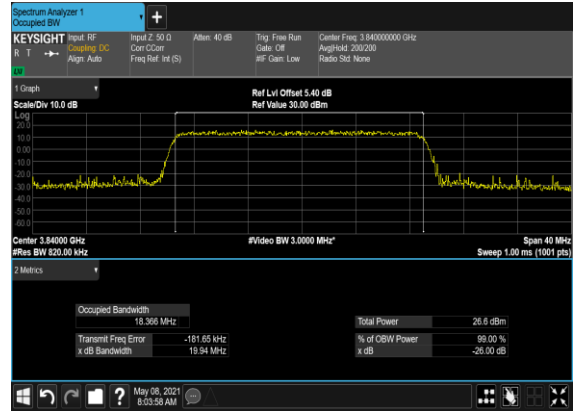
B41_N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



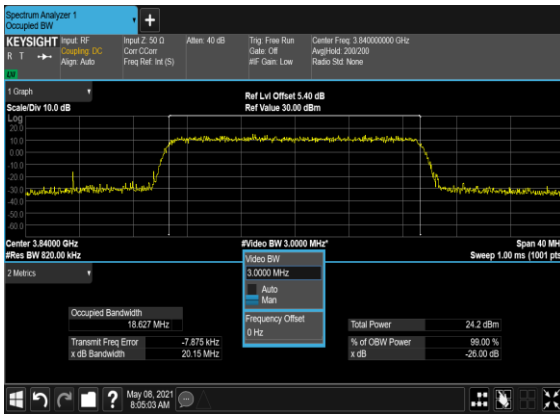
B41_N77(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



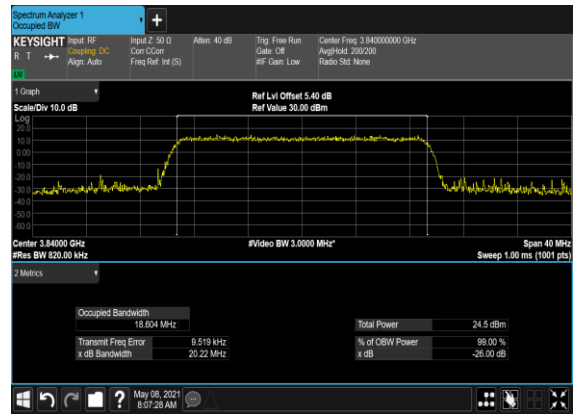
B41_N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



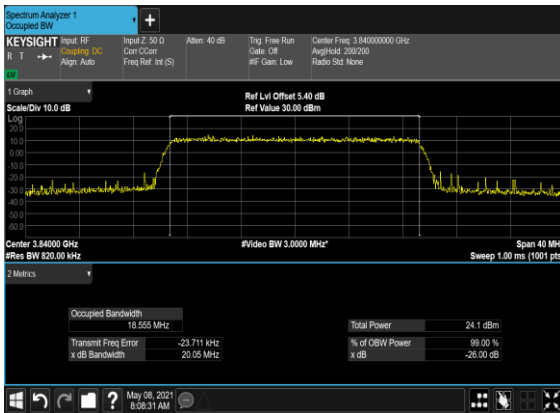
B41_N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



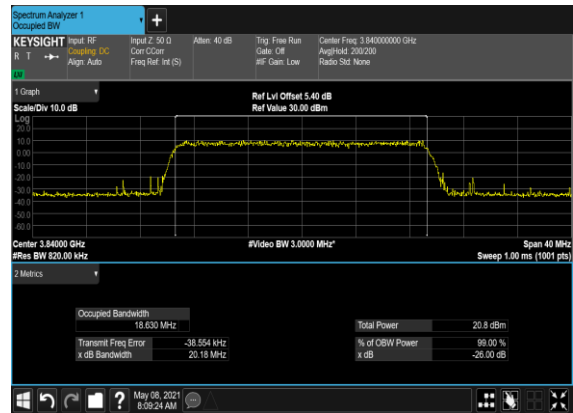
B41_N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



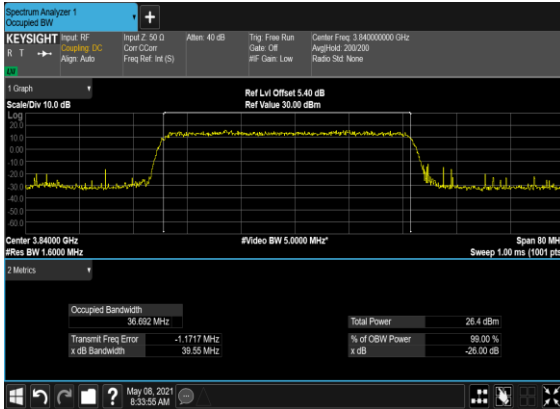
B41_N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



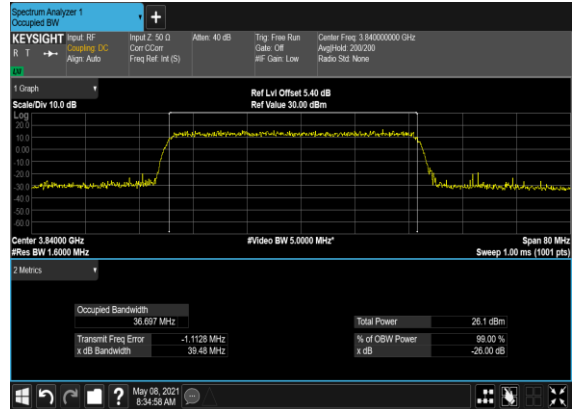
B41_N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



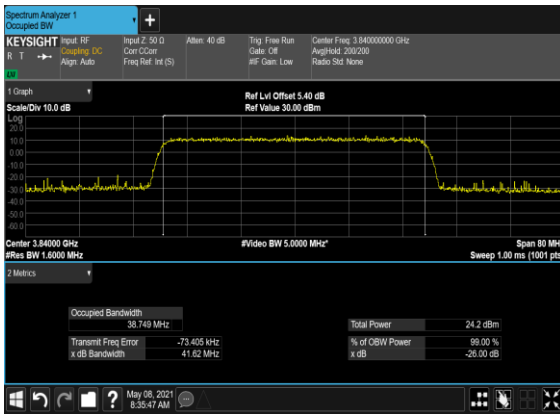
B41_N77(40M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



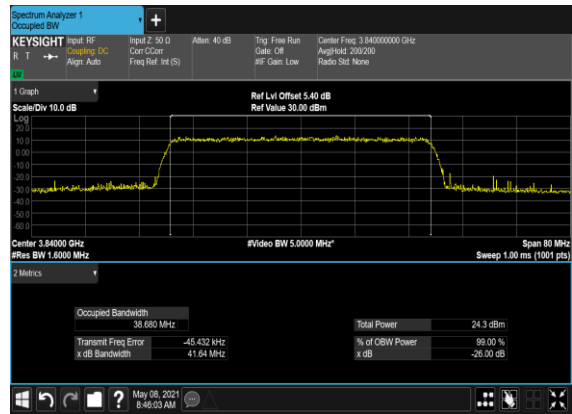
B41_N77(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



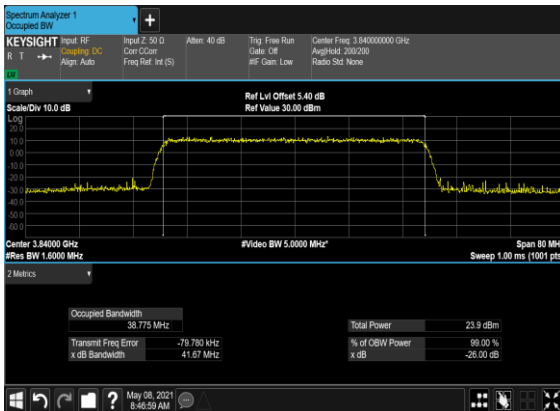
B41_N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



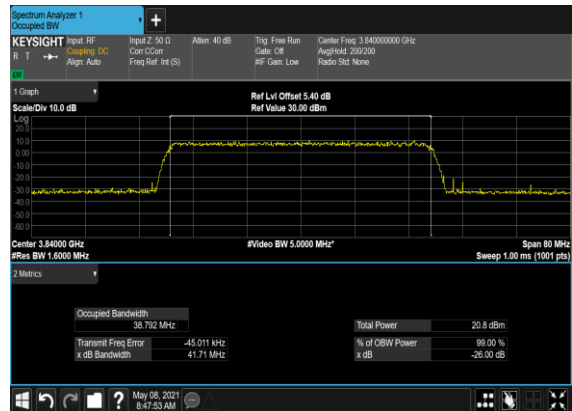
B41_N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



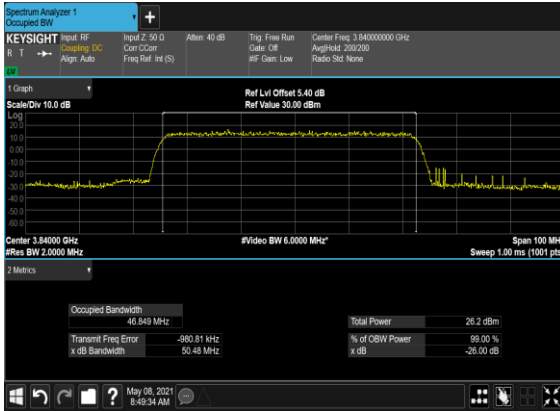
B41_N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



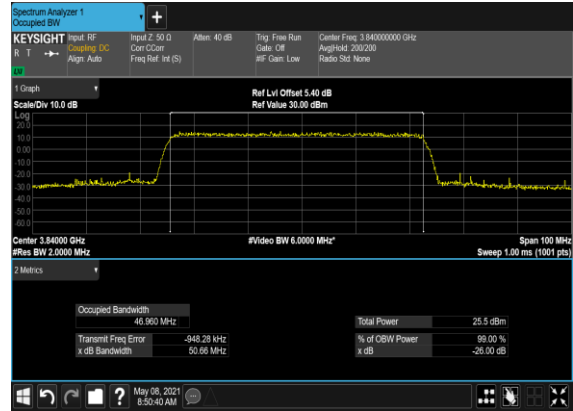
B41_N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



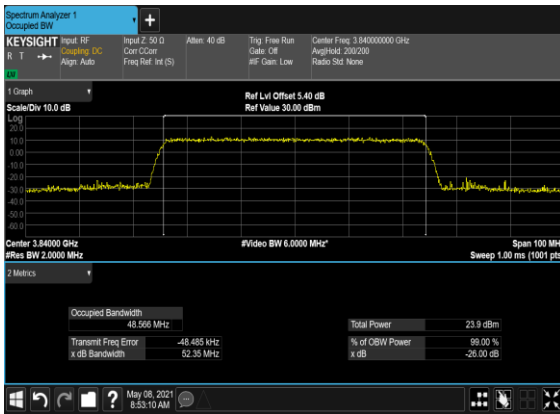
B41_N77(50M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



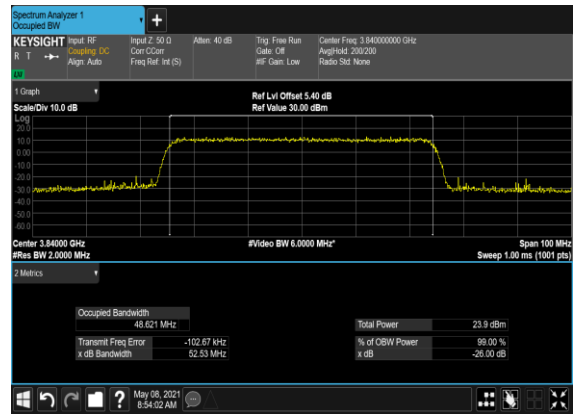
B41_N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



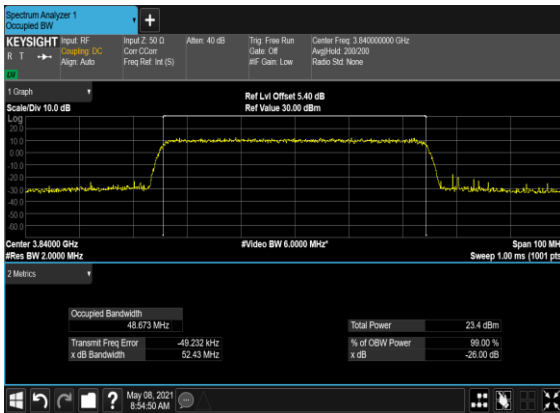
B41_N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



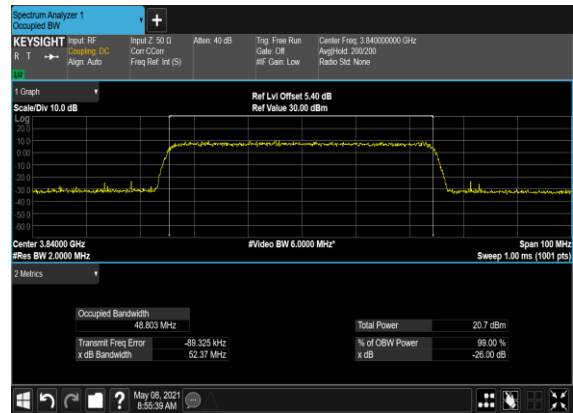
B41_N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



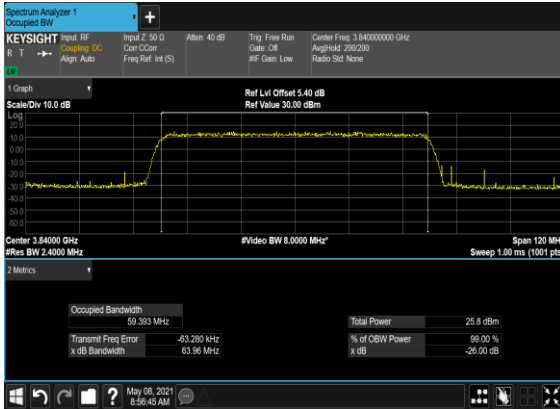
B41_N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



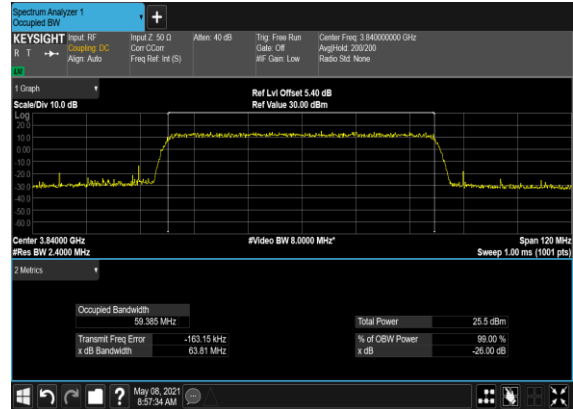
B41_N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



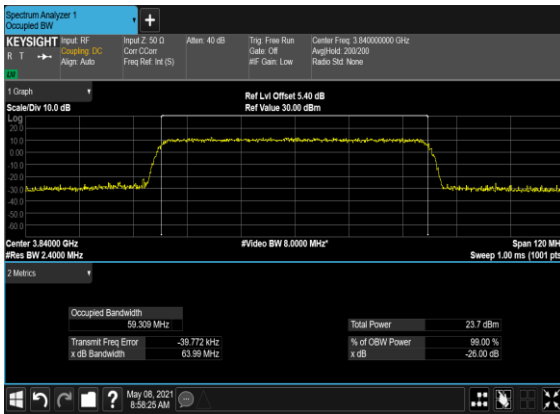
B41_N77(60M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



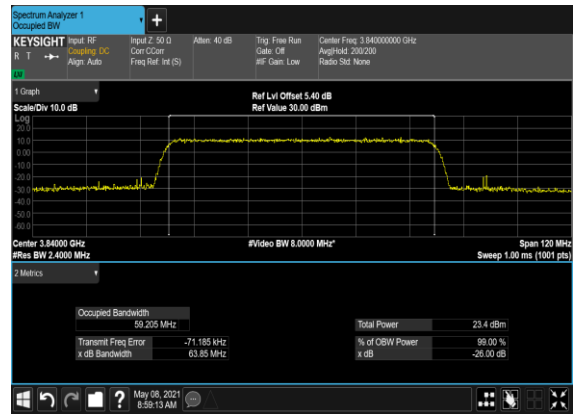
B41_N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



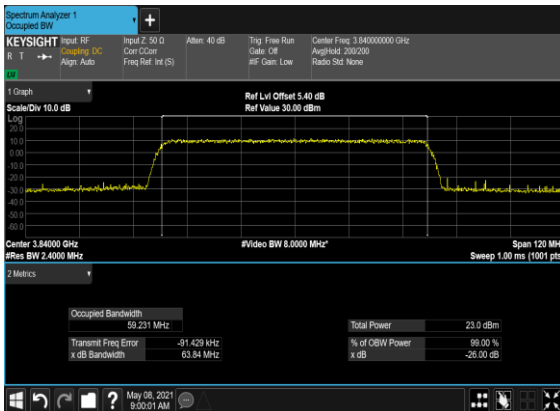
B41_N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



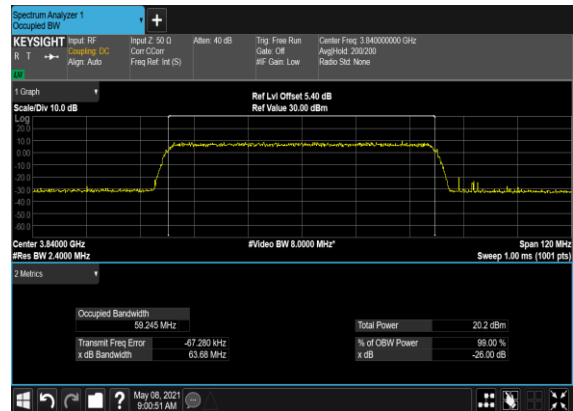
B41_N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



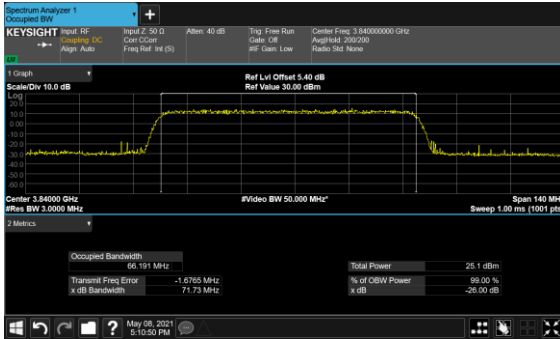
B41_N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B41_N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



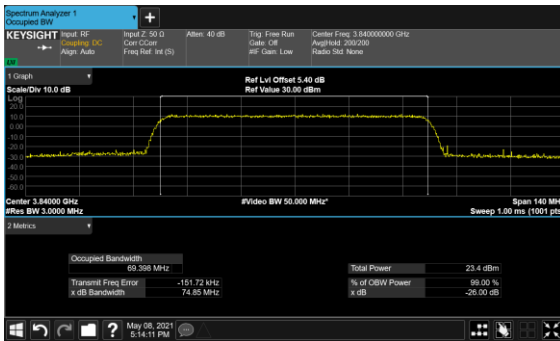
B41_N77(70M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



B41_N77(70M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



B41_N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



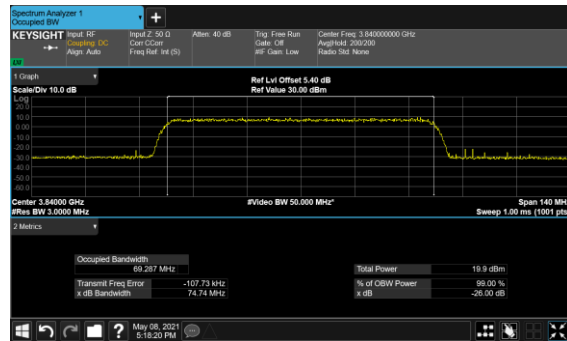
B41_N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



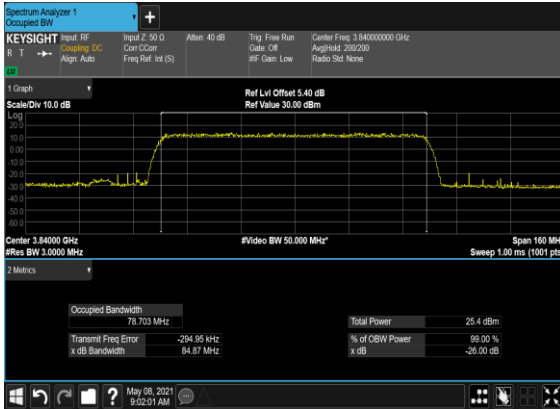
B41_N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



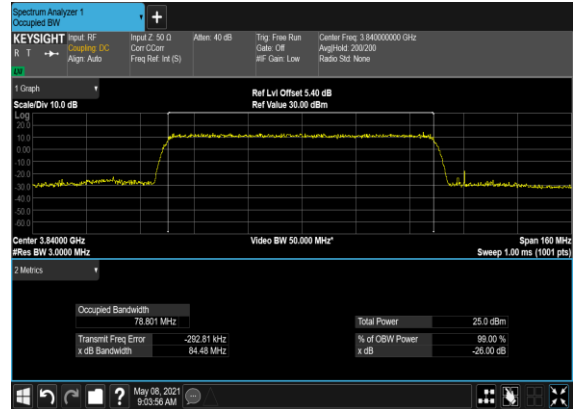
B41_N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



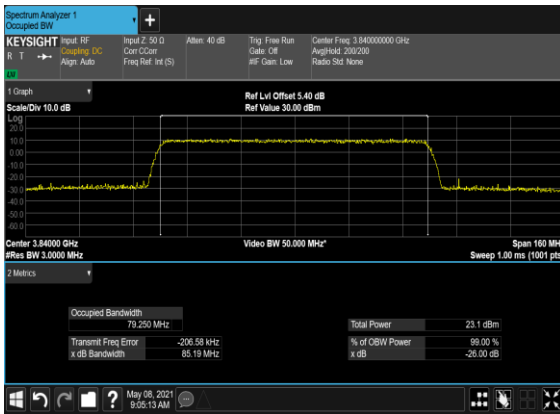
B41_N77(80M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



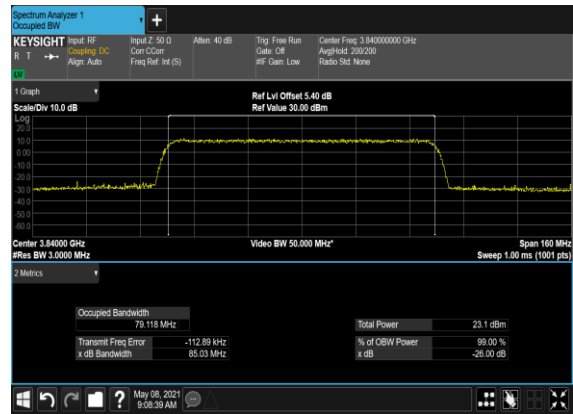
B41_N77(80M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



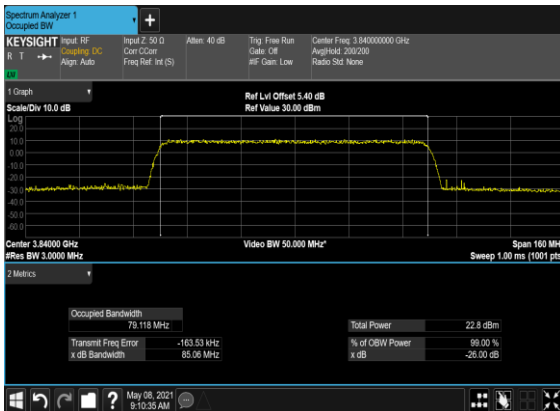
B41_N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



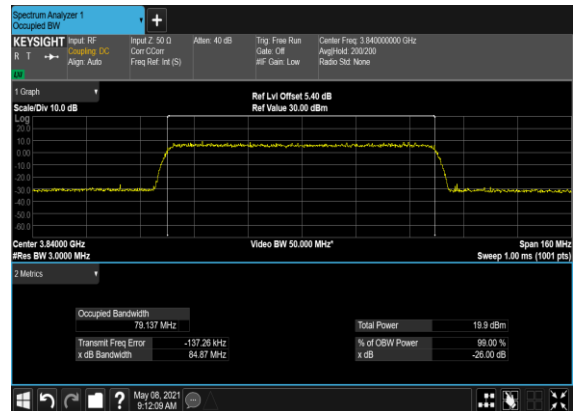
B41_N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



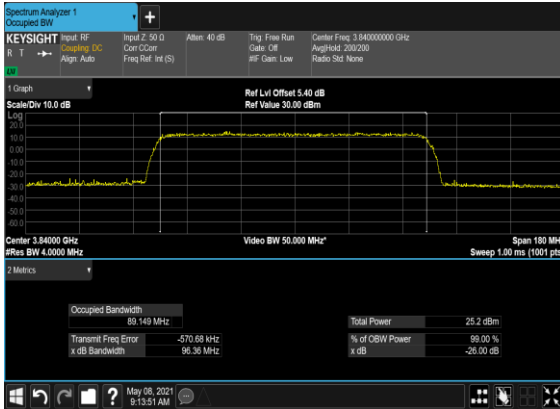
B41_N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



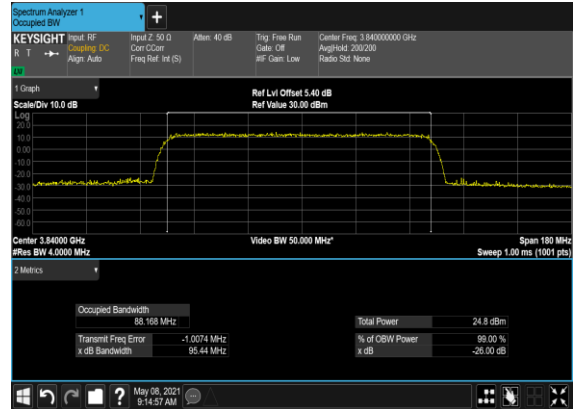
B41_N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



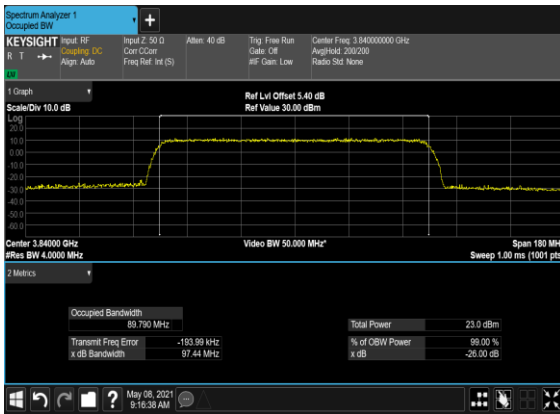
B41_N77(90M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



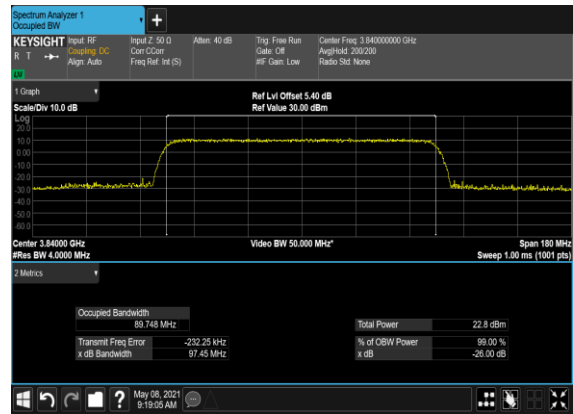
B41_N77(90M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



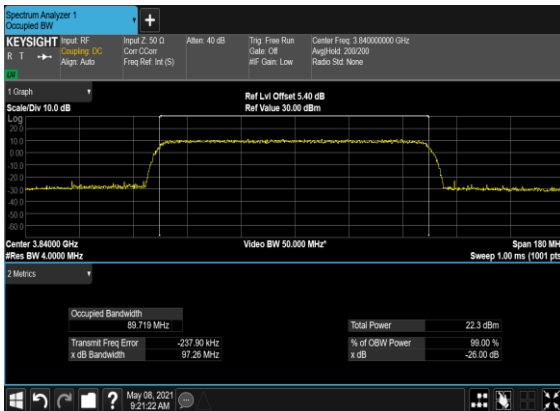
B41_N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



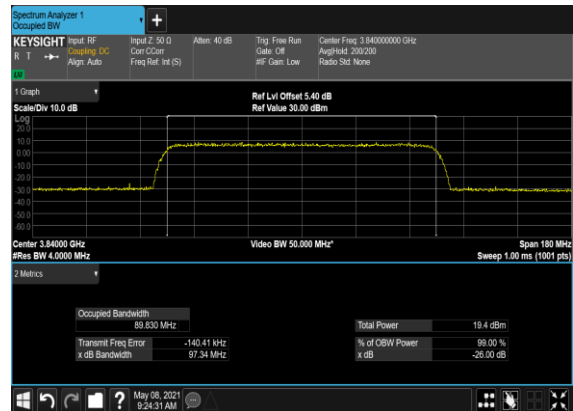
B41_N77(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



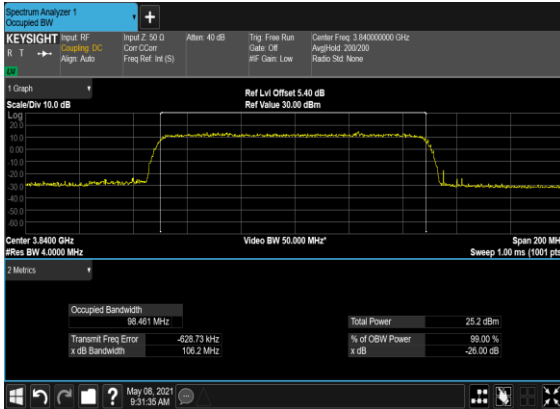
B41_N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



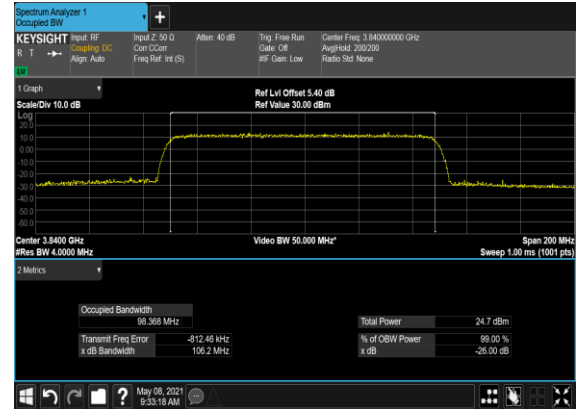
B41_N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



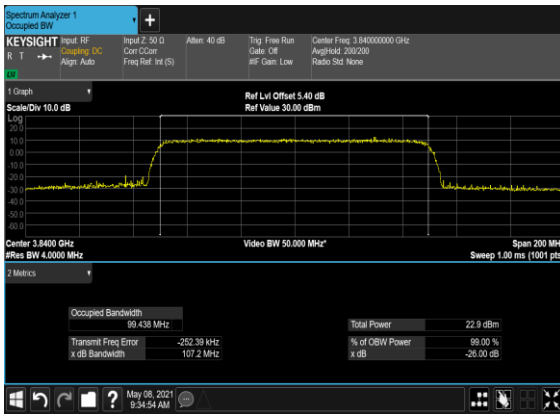
B41_N77(100M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



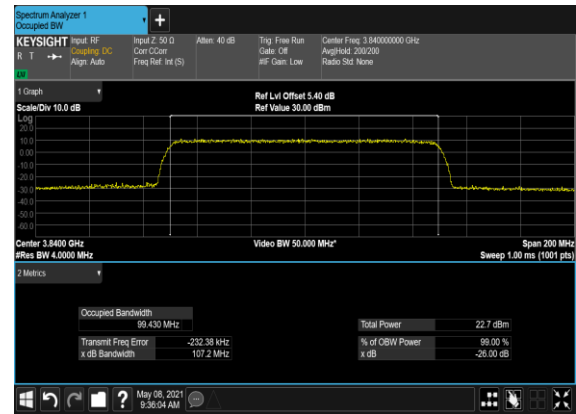
B41_N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



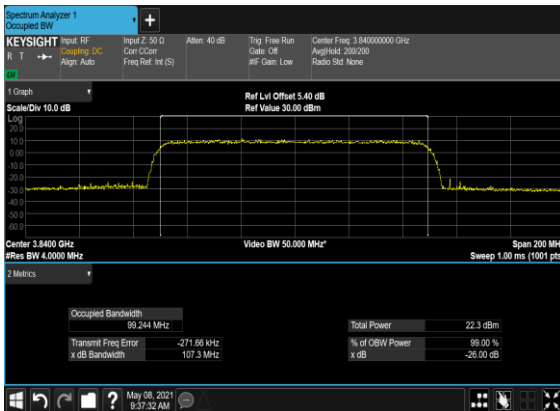
B41_N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



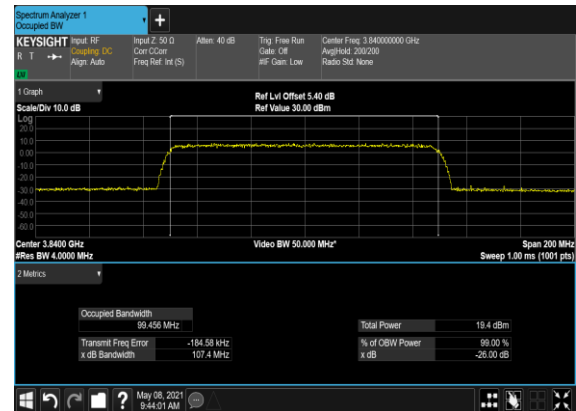
B41_N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B41_N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B41_N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Band Edge

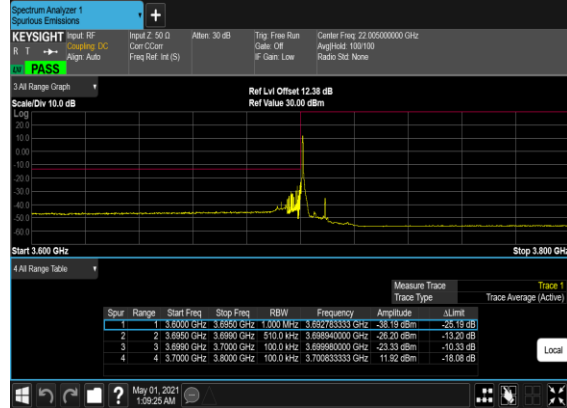
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM BPSK | 24@0 | see graph | PASS |
| 77 | 30 | 10 | 647000 | 3705.0 | DFT-s-OFDM QPSK | 24@0 | see graph | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM BPSK | 1@23 | see graph | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 1@23 | see graph | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM BPSK | 24@0 | see graph | PASS |
| 77 | 30 | 10 | 665000 | 3975.0 | DFT-s-OFDM QPSK | 24@0 | see graph | PASS |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 77 | 30 | 50 | 648333 | 3724.99 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM BPSK | 1@132 | see graph | PASS |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM QPSK | 1@132 | see graph | PASS |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM BPSK | 128@0 | see graph | PASS |
| 77 | 30 | 50 | 663667 | 3955.01 | DFT-s-OFDM QPSK | 128@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM BPSK | 1@272 | see graph | PASS |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 1@272 | see graph | PASS |

| | | | | | | | | |
|----|----|-----|--------|--------|--------------------|-------|-----------|------|
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM BPSK | 270@0 | see graph | PASS |
| 77 | 30 | 100 | 662000 | 3930.0 | DFT-s-OFDM QPSK | 270@0 | see graph | PASS |

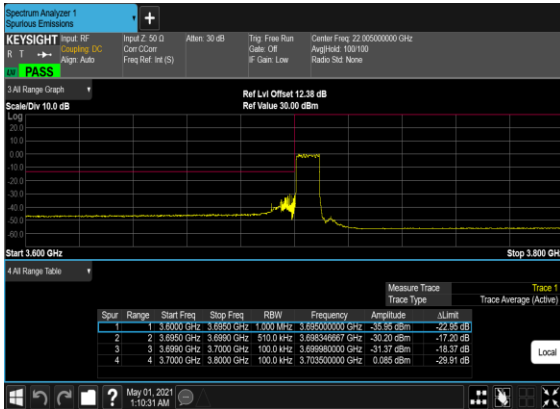
B41_N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



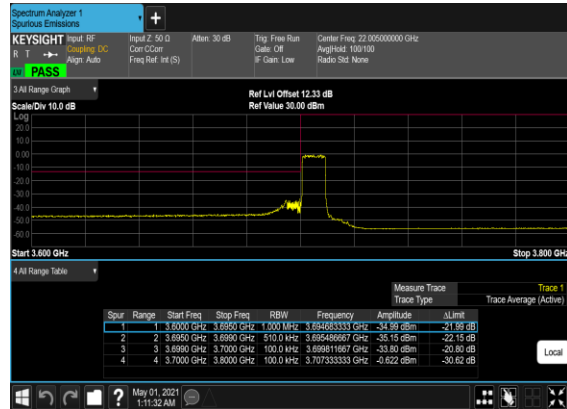
B41_N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



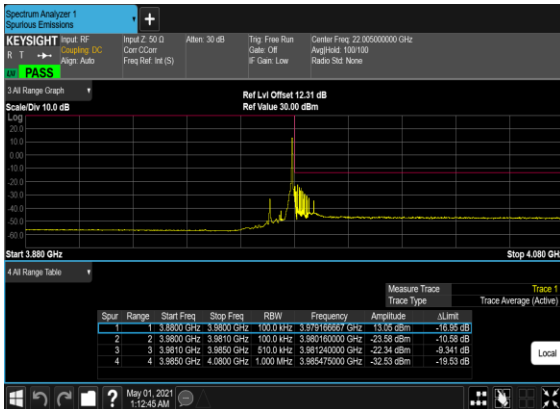
B41_N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



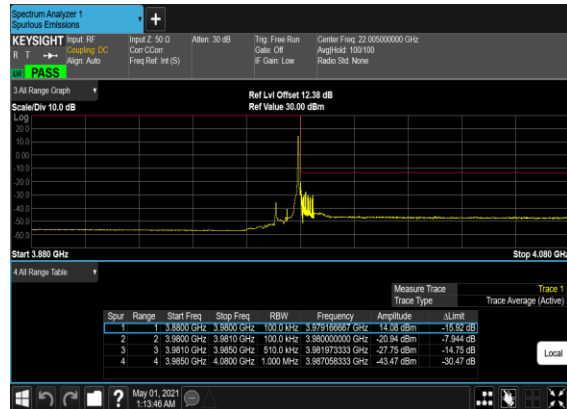
B41_N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



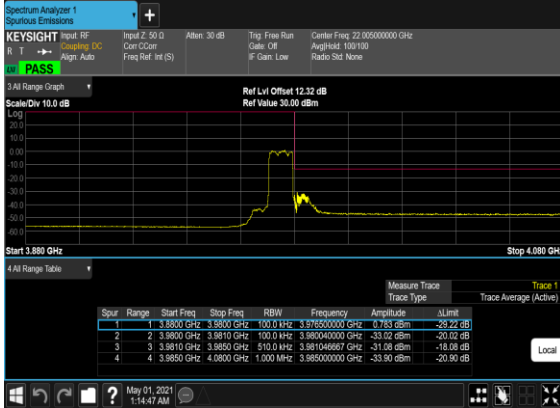
B41_N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B41_N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



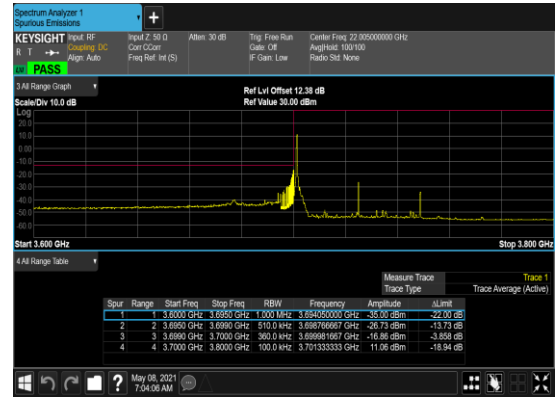
B41_N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



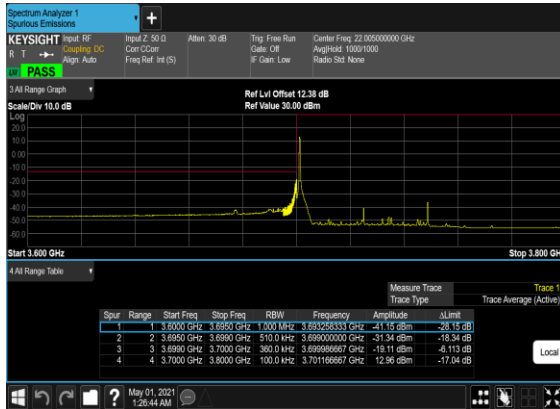
B41_N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



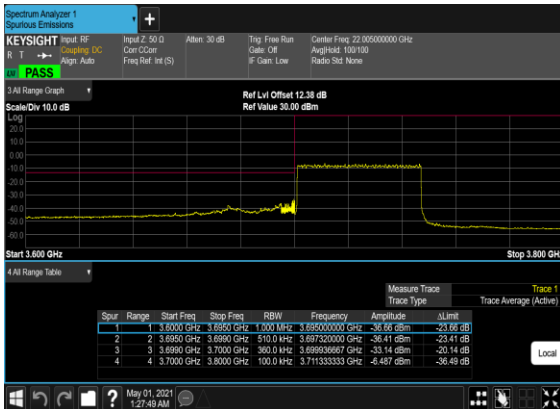
B41_N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



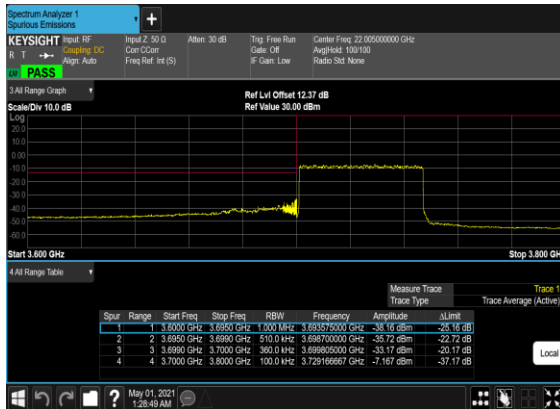
B41_N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



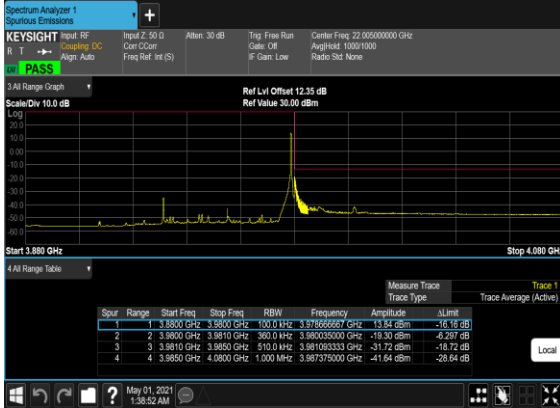
B41_N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



B41_N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B41_N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B41_N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



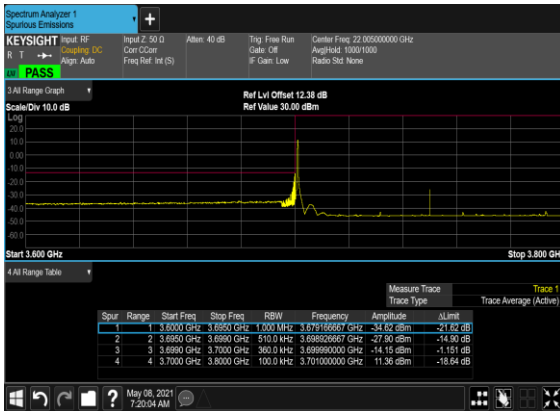
B41_N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B41_N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



B41_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B41_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS

