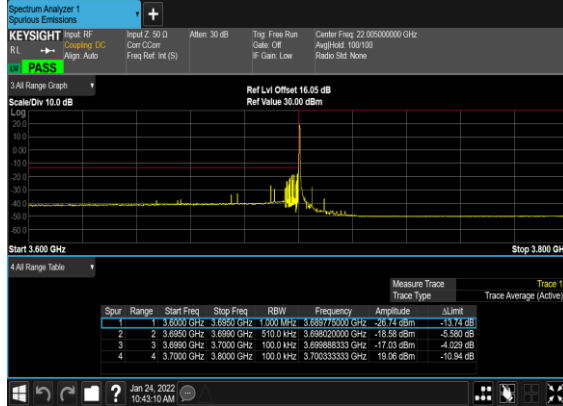
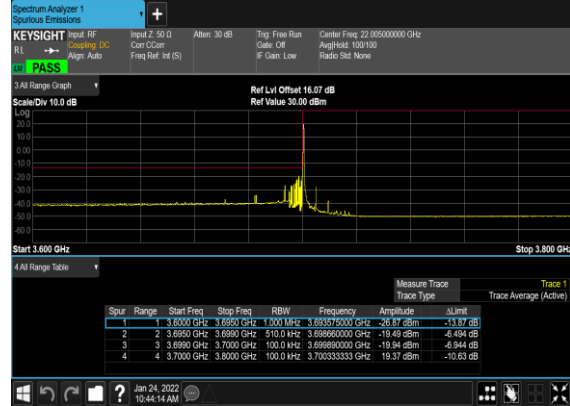


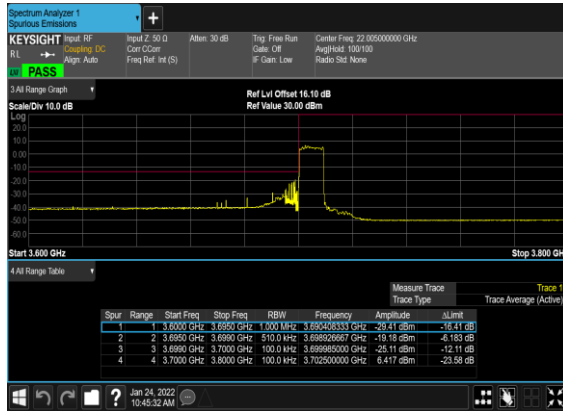
### N77(10M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



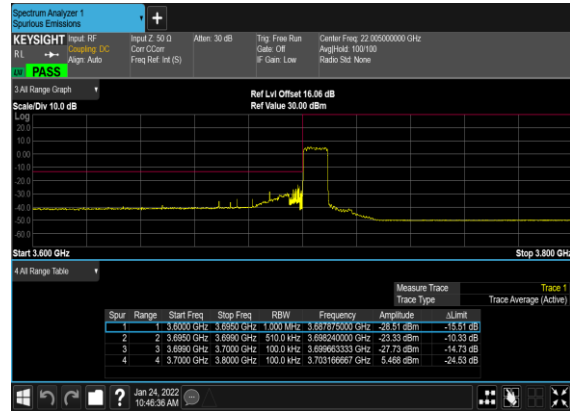
### N77(10M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



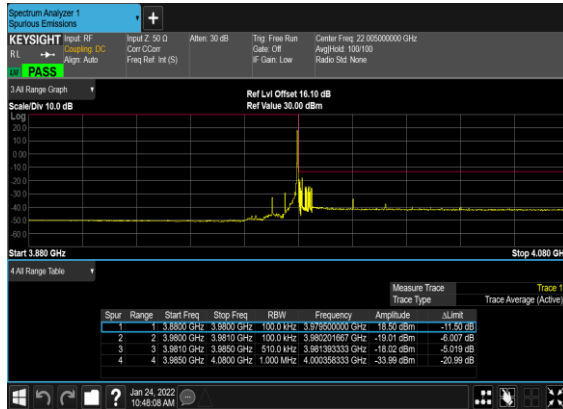
### N77(10M)\_DFT-s- OFDM\_BPSK\_Outer\_Full\_Low\_CH



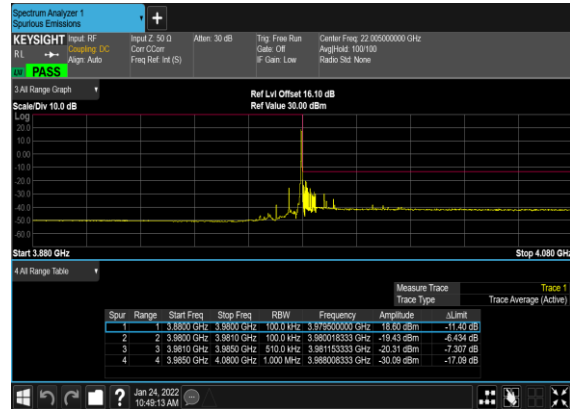
### N77(10M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Low\_CH



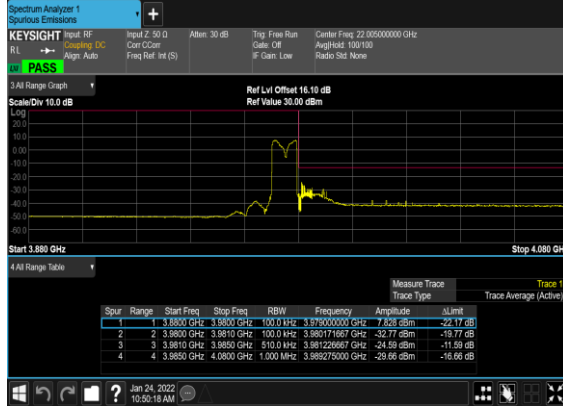
### N77(10M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



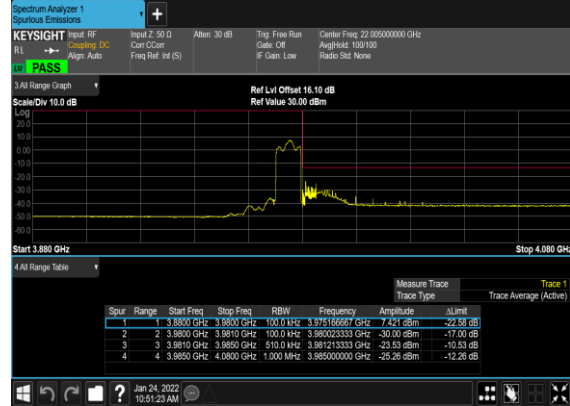
### N77(10M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



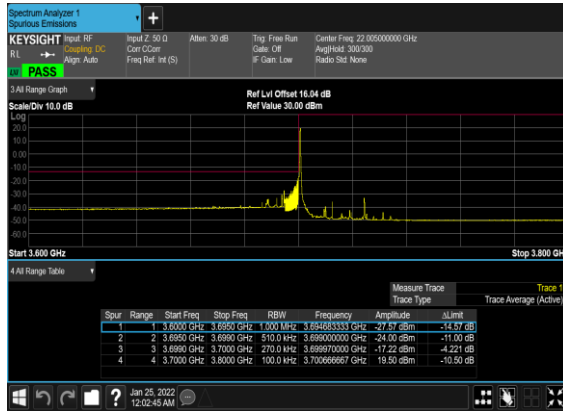
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



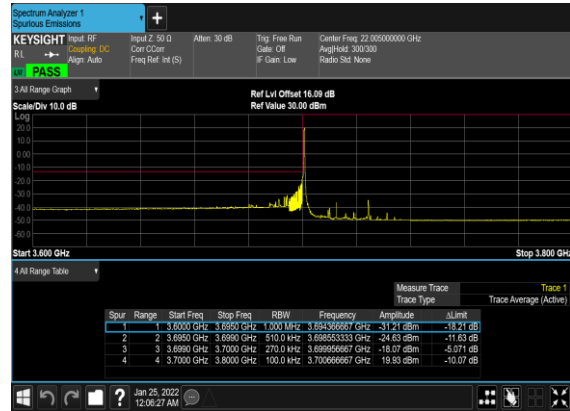
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



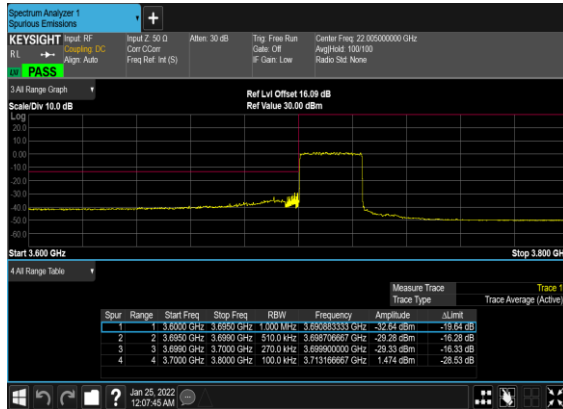
### N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



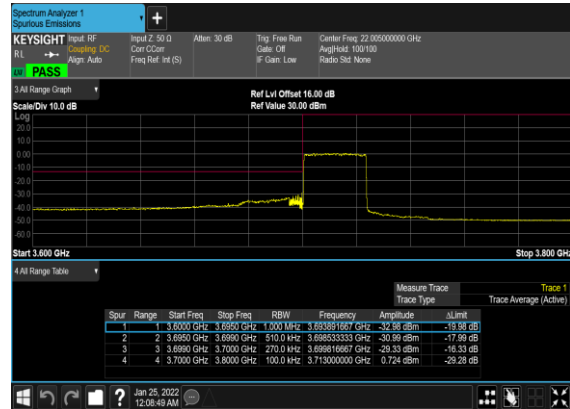
### N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(25M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



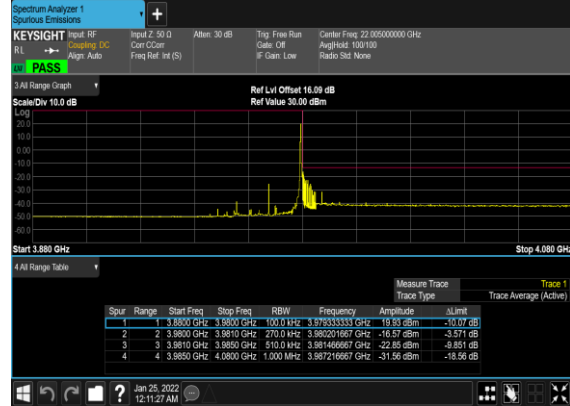
### N77(25M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



### N77(25M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



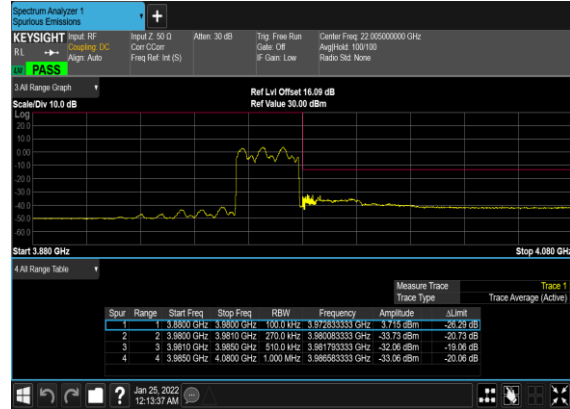
### N77(25M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



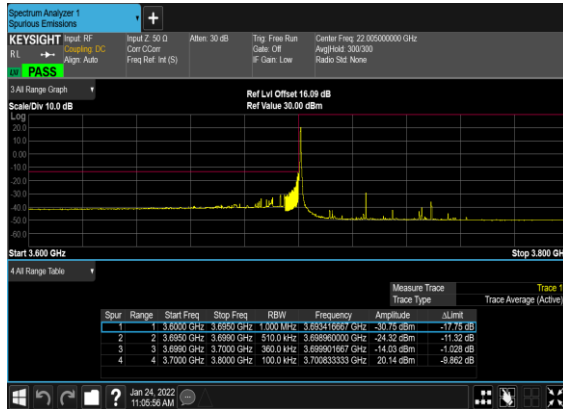
### N77(25M)\_DFT-s- OFDM\_BPSK\_Outer\_Full\_High\_CH



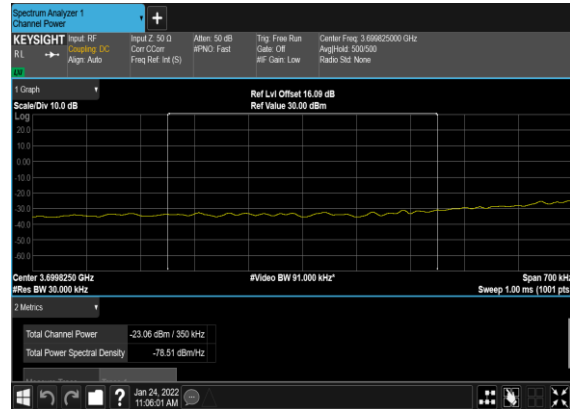
### N77(25M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_High\_CH



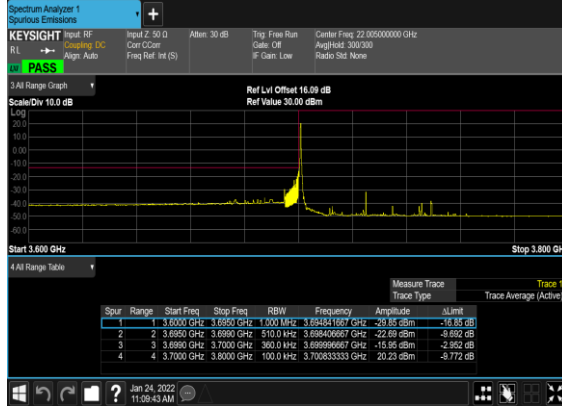
### N77(50M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



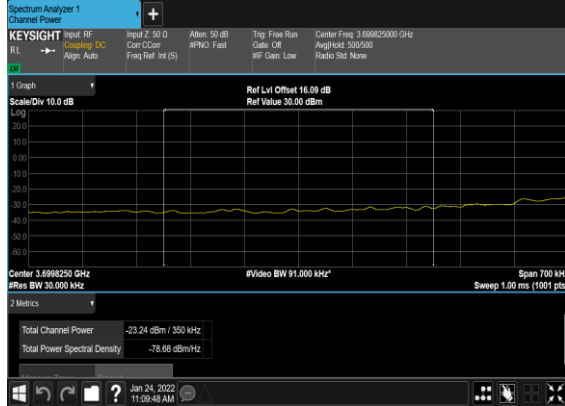
### N77(50M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_PASS



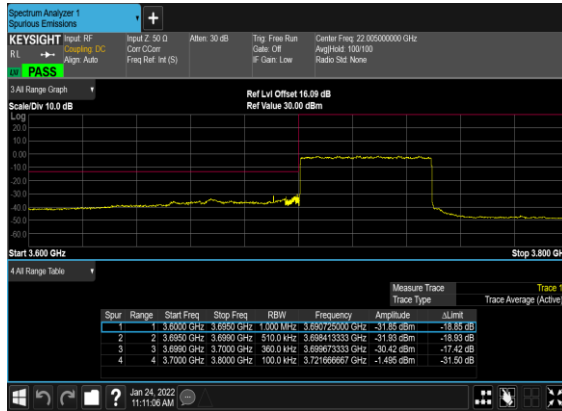
### N77(50M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



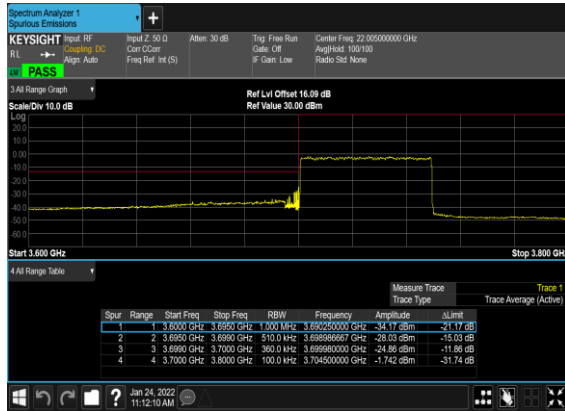
### N77(50M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_PASS



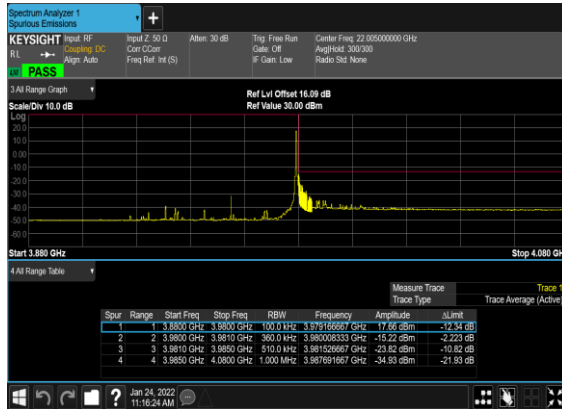
### N77(50M)\_DFT-s- OFDM\_BPSK\_Outer\_Full\_Low\_CH



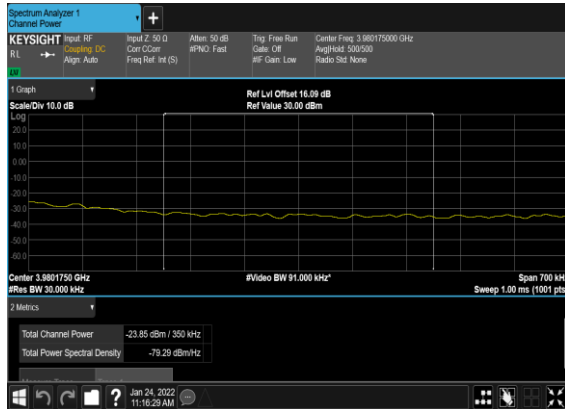
### N77(50M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Low\_CH



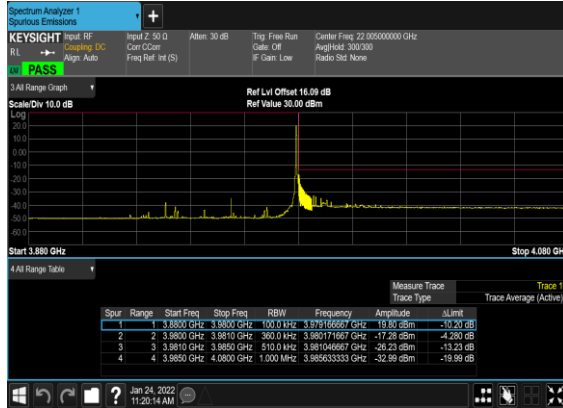
### N77(50M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



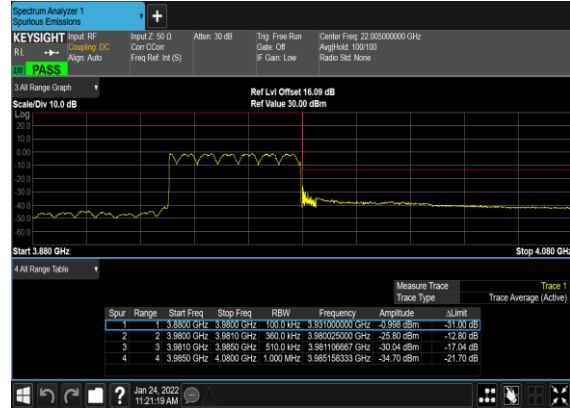
### N77(50M)\_DFT-s- OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH\_PASS



# N77(50M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



# N77(50M)\_DFT-s- OFDM\_BPSK\_Outer\_Full\_High\_CH



# N77(50M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_High\_CH



## FR1 N77(ANT4) – SCS 30kHz

Transmitter Conducted Output Power And EIRP, (GT - LC)=-1.02dB

| 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<br>PI/2 BPSK | 12@6 | 25.25                | 24.23      | 0.2649   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>PI/2 BPSK | 1@1  | 25.22                | 24.2       | 0.2630   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>PI/2 BPSK | 1@22 | 25.15                | 24.13      | 0.2588   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>QPSK      | 12@6 | 25.26                | 24.24      | 0.2655   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>QPSK      | 1@1  | 25.15                | 24.13      | 0.2588   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>QPSK      | 1@22 | 25.13                | 24.11      | 0.2576   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>16 QAM    | 12@6 | 24.36                | 23.34      | 0.2158   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>16 QAM    | 1@1  | 24.14                | 23.12      | 0.2051   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>16 QAM    | 1@22 | 24.15                | 23.13      | 0.2056   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>64 QAM    | 12@6 | 22.84                | 21.82      | 0.1521   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>64 QAM    | 1@1  | 22.66                | 21.64      | 0.1459   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>64 QAM    | 1@22 | 22.68                | 21.66      | 0.1466   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>256 QAM   | 12@6 | 20.73                | 19.71      | 0.0935   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>256 QAM   | 1@1  | 20.68                | 19.66      | 0.0925   |
| 77      | 30        | 10              | 647000 | 3705       | DFT-s-OFDM<br>256 QAM   | 1@22 | 20.71                | 19.69      | 0.0931   |
| 77      | 30        | 10              | 647000 | 3705       | CP-OFDM<br>QPSK         | 12@6 | 23.76                | 22.74      | 0.1879   |
| 77      | 30        | 10              | 647000 | 3705       | CP-OFDM<br>QPSK         | 1@1  | 23.74                | 22.72      | 0.1871   |
| 77      | 30        | 10              | 647000 | 3705       | CP-OFDM<br>QPSK         | 1@22 | 23.69                | 22.67      | 0.1849   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>PI/2 BPSK | 12@6 | 25.3                 | 24.28      | 0.2679   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>PI/2 BPSK | 1@1  | 25.26                | 24.24      | 0.2655   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>PI/2 BPSK | 1@22 | 25.24                | 24.22      | 0.2642   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>QPSK      | 12@6 | 25.34                | 24.32      | 0.2704   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>QPSK      | 1@1  | 25.24                | 24.22      | 0.2642   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>QPSK      | 1@22 | 25.23                | 24.21      | 0.2636   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>16 QAM    | 12@6 | 24.35                | 23.33      | 0.2153   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>16 QAM    | 1@1  | 24.26                | 23.24      | 0.2109   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>16 QAM    | 1@22 | 24.19                | 23.17      | 0.2075   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM<br>64 QAM    | 12@6 | 22.83                | 21.81      | 0.1517   |
| 77      | 30        | 10              | 656000 | 3840       | DFT-s-OFDM              | 1@1  | 22.71                | 21.69      | 0.1476   |

|    |    |    |        |         |                         |      |       |       |        |
|----|----|----|--------|---------|-------------------------|------|-------|-------|--------|
|    |    |    |        |         | 64 QAM                  |      |       |       |        |
| 77 | 30 | 10 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@22 | 22.65 | 21.63 | 0.1455 |
| 77 | 30 | 10 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 12@6 | 20.75 | 19.73 | 0.0940 |
| 77 | 30 | 10 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1  | 20.74 | 19.72 | 0.0938 |
| 77 | 30 | 10 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@22 | 20.75 | 19.73 | 0.0940 |
| 77 | 30 | 10 | 656000 | 3840    | CP-OFDM<br>QPSK         | 12@6 | 23.79 | 22.77 | 0.1892 |
| 77 | 30 | 10 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1  | 23.91 | 22.89 | 0.1945 |
| 77 | 30 | 10 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@22 | 23.71 | 22.69 | 0.1858 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>PI/2 BPSK | 12@6 | 25.04 | 24.02 | 0.2523 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>PI/2 BPSK | 1@1  | 24.96 | 23.94 | 0.2477 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>PI/2 BPSK | 1@22 | 24.87 | 23.85 | 0.2427 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>QPSK      | 12@6 | 25.04 | 24.02 | 0.2523 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>QPSK      | 1@1  | 24.96 | 23.94 | 0.2477 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>QPSK      | 1@22 | 24.93 | 23.91 | 0.2460 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>16 QAM    | 12@6 | 24.09 | 23.07 | 0.2028 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>16 QAM    | 1@1  | 24.02 | 23    | 0.1995 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>16 QAM    | 1@22 | 23.97 | 22.95 | 0.1972 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>64 QAM    | 12@6 | 22.57 | 21.55 | 0.1429 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>64 QAM    | 1@1  | 22.57 | 21.55 | 0.1429 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>64 QAM    | 1@22 | 22.62 | 21.6  | 0.1445 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>256 QAM   | 12@6 | 20.51 | 19.49 | 0.0889 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>256 QAM   | 1@1  | 20.48 | 19.46 | 0.0883 |
| 77 | 30 | 10 | 665000 | 3975    | DFT-s-OFDM<br>256 QAM   | 1@22 | 20.47 | 19.45 | 0.0881 |
| 77 | 30 | 10 | 665000 | 3975    | CP-OFDM<br>QPSK         | 12@6 | 23.51 | 22.49 | 0.1774 |
| 77 | 30 | 10 | 665000 | 3975    | CP-OFDM<br>QPSK         | 1@1  | 23.54 | 22.52 | 0.1786 |
| 77 | 30 | 10 | 665000 | 3975    | CP-OFDM<br>QPSK         | 1@22 | 23.47 | 22.45 | 0.1758 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>PI/2 BPSK | 18@9 | 25.25 | 24.23 | 0.2649 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>PI/2 BPSK | 1@1  | 25.16 | 24.14 | 0.2594 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>PI/2 BPSK | 1@36 | 25.17 | 24.15 | 0.2600 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>QPSK      | 18@9 | 25.26 | 24.24 | 0.2655 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>QPSK      | 1@1  | 25.17 | 24.15 | 0.2600 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>QPSK      | 1@36 | 25.2  | 24.18 | 0.2618 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>16 QAM    | 18@9 | 24.27 | 23.25 | 0.2113 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>16 QAM    | 1@1  | 24.1  | 23.08 | 0.2032 |

|    |    |    |        |         |                         |      |       |       |        |
|----|----|----|--------|---------|-------------------------|------|-------|-------|--------|
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>16 QAM    | 1@36 | 24.17 | 23.15 | 0.2065 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>64 QAM    | 18@9 | 22.77 | 21.75 | 0.1496 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>64 QAM    | 1@1  | 22.64 | 21.62 | 0.1452 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>64 QAM    | 1@36 | 22.63 | 21.61 | 0.1449 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>256 QAM   | 18@9 | 20.76 | 19.74 | 0.0942 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>256 QAM   | 1@1  | 20.67 | 19.65 | 0.0923 |
| 77 | 30 | 15 | 647168 | 3707.52 | DFT-s-OFDM<br>256 QAM   | 1@36 | 20.71 | 19.69 | 0.0931 |
| 77 | 30 | 15 | 647168 | 3707.52 | CP-OFDM<br>QPSK         | 19@9 | 23.78 | 22.76 | 0.1888 |
| 77 | 30 | 15 | 647168 | 3707.52 | CP-OFDM<br>QPSK         | 1@1  | 23.69 | 22.67 | 0.1849 |
| 77 | 30 | 15 | 647168 | 3707.52 | CP-OFDM<br>QPSK         | 1@36 | 23.71 | 22.69 | 0.1858 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 18@9 | 25.29 | 24.27 | 0.2673 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1  | 25.27 | 24.25 | 0.2661 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@36 | 25.18 | 24.16 | 0.2606 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 18@9 | 25.34 | 24.32 | 0.2704 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1  | 25.33 | 24.31 | 0.2698 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@36 | 25.25 | 24.23 | 0.2649 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 18@9 | 24.31 | 23.29 | 0.2133 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1  | 24.32 | 23.3  | 0.2138 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@36 | 24.25 | 23.23 | 0.2104 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 18@9 | 22.86 | 21.84 | 0.1528 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1  | 22.86 | 21.84 | 0.1528 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@36 | 22.66 | 21.64 | 0.1459 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 18@9 | 20.74 | 19.72 | 0.0938 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1  | 20.84 | 19.82 | 0.0959 |
| 77 | 30 | 15 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@36 | 20.76 | 19.74 | 0.0942 |
| 77 | 30 | 15 | 656000 | 3840    | CP-OFDM<br>QPSK         | 19@9 | 23.84 | 22.82 | 0.1914 |
| 77 | 30 | 15 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1  | 23.79 | 22.77 | 0.1892 |
| 77 | 30 | 15 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@36 | 23.69 | 22.67 | 0.1849 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>PI/2 BPSK | 18@9 | 24.97 | 23.95 | 0.2483 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>PI/2 BPSK | 1@1  | 24.94 | 23.92 | 0.2466 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>PI/2 BPSK | 1@36 | 24.9  | 23.88 | 0.2443 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>QPSK      | 18@9 | 25.01 | 23.99 | 0.2506 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>QPSK      | 1@1  | 24.94 | 23.92 | 0.2466 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>QPSK      | 1@36 | 24.92 | 23.9  | 0.2455 |



|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>16 QAM    | 18@9  | 24.03 | 23.01 | 0.2000 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.96 | 22.94 | 0.1968 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>16 QAM    | 1@36  | 23.89 | 22.87 | 0.1936 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>64 QAM    | 18@9  | 22.51 | 21.49 | 0.1409 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.4  | 21.38 | 0.1374 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>64 QAM    | 1@36  | 22.34 | 21.32 | 0.1355 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>256 QAM   | 18@9  | 20.44 | 19.42 | 0.0875 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.49 | 19.47 | 0.0885 |
| 77 | 30 | 15 | 664832 | 3972.48 | DFT-s-OFDM<br>256 QAM   | 1@36  | 20.42 | 19.4  | 0.0871 |
| 77 | 30 | 15 | 664832 | 3972.48 | CP-OFDM<br>QPSK         | 19@9  | 23.51 | 22.49 | 0.1774 |
| 77 | 30 | 15 | 664832 | 3972.48 | CP-OFDM<br>QPSK         | 1@1   | 23.46 | 22.44 | 0.1754 |
| 77 | 30 | 15 | 664832 | 3972.48 | CP-OFDM<br>QPSK         | 1@36  | 23.44 | 22.42 | 0.1746 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>PI/2 BPSK | 25@12 | 25.26 | 24.24 | 0.2655 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.16 | 24.14 | 0.2594 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>PI/2 BPSK | 1@49  | 25.16 | 24.14 | 0.2594 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>QPSK      | 25@12 | 25.26 | 24.24 | 0.2655 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>QPSK      | 1@1   | 25.1  | 24.08 | 0.2559 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>QPSK      | 1@49  | 25.13 | 24.11 | 0.2576 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>16 QAM    | 25@12 | 24.32 | 23.3  | 0.2138 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.12 | 23.1  | 0.2042 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>16 QAM    | 1@49  | 24.14 | 23.12 | 0.2051 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>64 QAM    | 25@12 | 22.77 | 21.75 | 0.1496 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.59 | 21.57 | 0.1435 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>64 QAM    | 1@49  | 22.6  | 21.58 | 0.1439 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>256 QAM   | 25@12 | 20.8  | 19.78 | 0.0951 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.65 | 19.63 | 0.0918 |
| 77 | 30 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>256 QAM   | 1@49  | 20.66 | 19.64 | 0.0920 |
| 77 | 30 | 20 | 647334 | 3710.01 | CP-OFDM<br>QPSK         | 25@12 | 23.76 | 22.74 | 0.1879 |
| 77 | 30 | 20 | 647334 | 3710.01 | CP-OFDM<br>QPSK         | 1@1   | 23.59 | 22.57 | 0.1807 |
| 77 | 30 | 20 | 647334 | 3710.01 | CP-OFDM<br>QPSK         | 1@49  | 23.85 | 22.83 | 0.1919 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 25@12 | 25.32 | 24.3  | 0.2692 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.31 | 24.29 | 0.2685 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@49  | 25.23 | 24.21 | 0.2636 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 25@12 | 25.34 | 24.32 | 0.2704 |

|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1   | 25.29 | 24.27 | 0.2673 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@49  | 25.21 | 24.19 | 0.2624 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 25@12 | 24.33 | 23.31 | 0.2143 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.29 | 23.27 | 0.2123 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@49  | 24.25 | 23.23 | 0.2104 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 25@12 | 22.87 | 21.85 | 0.1531 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.75 | 21.73 | 0.1489 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@49  | 22.89 | 21.87 | 0.1538 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 25@12 | 20.88 | 19.86 | 0.0968 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.84 | 19.82 | 0.0959 |
| 77 | 30 | 20 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@49  | 20.77 | 19.75 | 0.0944 |
| 77 | 30 | 20 | 656000 | 3840    | CP-OFDM<br>QPSK         | 25@12 | 23.84 | 22.82 | 0.1914 |
| 77 | 30 | 20 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1   | 23.81 | 22.79 | 0.1901 |
| 77 | 30 | 20 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@49  | 23.73 | 22.71 | 0.1866 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>PI/2 BPSK | 25@12 | 25.02 | 24    | 0.2512 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.96 | 23.94 | 0.2477 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@49  | 24.91 | 23.89 | 0.2449 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>QPSK      | 25@12 | 25.04 | 24.02 | 0.2523 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>QPSK      | 1@1   | 25    | 23.98 | 0.2500 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>QPSK      | 1@49  | 24.93 | 23.91 | 0.2460 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>16 QAM    | 25@12 | 24.04 | 23.02 | 0.2004 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.97 | 22.95 | 0.1972 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>16 QAM    | 1@49  | 23.9  | 22.88 | 0.1941 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>64 QAM    | 25@12 | 22.54 | 21.52 | 0.1419 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.43 | 21.41 | 0.1384 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>64 QAM    | 1@49  | 22.55 | 21.53 | 0.1422 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>256 QAM   | 25@12 | 20.59 | 19.57 | 0.0906 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.51 | 19.49 | 0.0889 |
| 77 | 30 | 20 | 664666 | 3969.99 | DFT-s-OFDM<br>256 QAM   | 1@49  | 20.41 | 19.39 | 0.0869 |
| 77 | 30 | 20 | 664666 | 3969.99 | CP-OFDM<br>QPSK         | 25@12 | 23.51 | 22.49 | 0.1774 |
| 77 | 30 | 20 | 664666 | 3969.99 | CP-OFDM<br>QPSK         | 1@1   | 23.59 | 22.57 | 0.1807 |
| 77 | 30 | 20 | 664666 | 3969.99 | CP-OFDM<br>QPSK         | 1@49  | 23.47 | 22.45 | 0.1758 |
| 77 | 30 | 25 | 647500 | 3712.5  | DFT-s-OFDM<br>PI/2 BPSK | 32@16 | 25.02 | 24    | 0.2512 |
| 77 | 30 | 25 | 647500 | 3712.5  | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.39 | 23.37 | 0.2173 |

|    |    |    |        |        |                         |       |       |       |        |
|----|----|----|--------|--------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>PI/2 BPSK | 1@63  | 24.34 | 23.32 | 0.2148 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>QPSK      | 32@16 | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>QPSK      | 1@1   | 24.33 | 23.31 | 0.2143 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>QPSK      | 1@63  | 24.38 | 23.36 | 0.2168 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>16 QAM    | 32@16 | 24.03 | 23.01 | 0.2000 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.34 | 22.32 | 0.1706 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>16 QAM    | 1@63  | 23.4  | 22.38 | 0.1730 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>64 QAM    | 32@16 | 22.47 | 21.45 | 0.1396 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>64 QAM    | 1@1   | 21.84 | 20.82 | 0.1208 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>64 QAM    | 1@63  | 21.83 | 20.81 | 0.1205 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>256 QAM   | 32@16 | 20.52 | 19.5  | 0.0891 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>256 QAM   | 1@1   | 19.85 | 18.83 | 0.0764 |
| 77 | 30 | 25 | 647500 | 3712.5 | DFT-s-OFDM<br>256 QAM   | 1@63  | 19.87 | 18.85 | 0.0767 |
| 77 | 30 | 25 | 647500 | 3712.5 | CP-OFDM<br>QPSK         | 33@16 | 23.51 | 22.49 | 0.1774 |
| 77 | 30 | 25 | 647500 | 3712.5 | CP-OFDM<br>QPSK         | 1@1   | 22.95 | 21.93 | 0.1560 |
| 77 | 30 | 25 | 647500 | 3712.5 | CP-OFDM<br>QPSK         | 1@63  | 22.92 | 21.9  | 0.1549 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>PI/2 BPSK | 32@16 | 25.03 | 24.01 | 0.2518 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.48 | 23.46 | 0.2218 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>PI/2 BPSK | 1@63  | 24.36 | 23.34 | 0.2158 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>QPSK      | 32@16 | 25.07 | 24.05 | 0.2541 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>QPSK      | 1@1   | 24.45 | 23.43 | 0.2203 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>QPSK      | 1@63  | 24.33 | 23.31 | 0.2143 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>16 QAM    | 32@16 | 24.11 | 23.09 | 0.2037 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.37 | 22.35 | 0.1718 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>16 QAM    | 1@63  | 23.39 | 22.37 | 0.1726 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>64 QAM    | 32@16 | 22.54 | 21.52 | 0.1419 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>64 QAM    | 1@1   | 21.92 | 20.9  | 0.1230 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>64 QAM    | 1@63  | 21.83 | 20.81 | 0.1205 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>256 QAM   | 32@16 | 20.52 | 19.5  | 0.0891 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>256 QAM   | 1@1   | 19.96 | 18.94 | 0.0783 |
| 77 | 30 | 25 | 656000 | 3840   | DFT-s-OFDM<br>256 QAM   | 1@63  | 19.9  | 18.88 | 0.0773 |
| 77 | 30 | 25 | 656000 | 3840   | CP-OFDM<br>QPSK         | 33@16 | 23.54 | 22.52 | 0.1786 |
| 77 | 30 | 25 | 656000 | 3840   | CP-OFDM<br>QPSK         | 1@1   | 23.11 | 22.09 | 0.1618 |
| 77 | 30 | 25 | 656000 | 3840   | CP-OFDM<br>QPSK         | 1@63  | 22.94 | 21.92 | 0.1556 |

|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>PI/2 BPSK | 32@16 | 24.71 | 23.69 | 0.2339 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.1  | 23.08 | 0.2032 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>PI/2 BPSK | 1@63  | 24.02 | 23    | 0.1995 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>QPSK      | 32@16 | 24.71 | 23.69 | 0.2339 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>QPSK      | 1@1   | 24.13 | 23.11 | 0.2046 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>QPSK      | 1@63  | 23.99 | 22.97 | 0.1982 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>16 QAM    | 32@16 | 23.72 | 22.7  | 0.1862 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.06 | 22.04 | 0.1600 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>16 QAM    | 1@63  | 23.07 | 22.05 | 0.1603 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>64 QAM    | 32@16 | 22.18 | 21.16 | 0.1306 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>64 QAM    | 1@1   | 21.57 | 20.55 | 0.1135 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>64 QAM    | 1@63  | 21.51 | 20.49 | 0.1119 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>256 QAM   | 32@16 | 20.24 | 19.22 | 0.0836 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>256 QAM   | 1@1   | 19.66 | 18.64 | 0.0731 |
| 77 | 30 | 25 | 664500 | 3967.5  | DFT-s-OFDM<br>256 QAM   | 1@63  | 19.55 | 18.53 | 0.0713 |
| 77 | 30 | 25 | 664500 | 3967.5  | CP-OFDM<br>QPSK         | 33@16 | 23.24 | 22.22 | 0.1667 |
| 77 | 30 | 25 | 664500 | 3967.5  | CP-OFDM<br>QPSK         | 1@1   | 22.63 | 21.61 | 0.1449 |
| 77 | 30 | 25 | 664500 | 3967.5  | CP-OFDM<br>QPSK         | 1@63  | 22.55 | 21.53 | 0.1422 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>PI/2 BPSK | 36@18 | 25.18 | 24.16 | 0.2606 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.06 | 24.04 | 0.2535 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>PI/2 BPSK | 1@76  | 25.14 | 24.12 | 0.2582 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>QPSK      | 36@18 | 25.13 | 24.11 | 0.2576 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>QPSK      | 1@1   | 25.06 | 24.04 | 0.2535 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>QPSK      | 1@76  | 25.13 | 24.11 | 0.2576 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>16 QAM    | 36@18 | 24.13 | 23.11 | 0.2046 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.07 | 23.05 | 0.2018 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>16 QAM    | 1@76  | 24.13 | 23.11 | 0.2046 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>64 QAM    | 36@18 | 22.62 | 21.6  | 0.1445 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.51 | 21.49 | 0.1409 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>64 QAM    | 1@76  | 22.91 | 21.89 | 0.1545 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>256 QAM   | 36@18 | 20.64 | 19.62 | 0.0916 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.58 | 19.56 | 0.0904 |
| 77 | 30 | 30 | 647668 | 3715.02 | DFT-s-OFDM<br>256 QAM   | 1@76  | 20.67 | 19.65 | 0.0923 |
| 77 | 30 | 30 | 647668 | 3715.02 | CP-OFDM<br>QPSK         | 39@19 | 23.69 | 22.67 | 0.1849 |

|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 30 | 647668 | 3715.02 | CP-OFDM<br>QPSK         | 1@1   | 23.62 | 22.6  | 0.1820 |
| 77 | 30 | 30 | 647668 | 3715.02 | CP-OFDM<br>QPSK         | 1@76  | 23.68 | 22.66 | 0.1845 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 36@18 | 25.14 | 24.12 | 0.2582 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.11 | 24.09 | 0.2564 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@76  | 25.01 | 23.99 | 0.2506 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 36@18 | 25.16 | 24.14 | 0.2594 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1   | 25.15 | 24.13 | 0.2588 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@76  | 25.02 | 24    | 0.2512 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 36@18 | 24.15 | 23.13 | 0.2056 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.13 | 23.11 | 0.2046 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@76  | 24.01 | 22.99 | 0.1991 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 36@18 | 22.65 | 21.63 | 0.1455 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.59 | 21.57 | 0.1435 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@76  | 22.67 | 21.65 | 0.1462 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 36@18 | 20.64 | 19.62 | 0.0916 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.63 | 19.61 | 0.0914 |
| 77 | 30 | 30 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@76  | 20.5  | 19.48 | 0.0887 |
| 77 | 30 | 30 | 656000 | 3840    | CP-OFDM<br>QPSK         | 39@19 | 23.62 | 22.6  | 0.1820 |
| 77 | 30 | 30 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1   | 23.65 | 22.63 | 0.1832 |
| 77 | 30 | 30 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@76  | 23.43 | 22.41 | 0.1742 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>PI/2 BPSK | 36@18 | 24.75 | 23.73 | 0.2360 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.79 | 23.77 | 0.2382 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>PI/2 BPSK | 1@76  | 24.64 | 23.62 | 0.2301 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>QPSK      | 36@18 | 24.77 | 23.75 | 0.2371 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>QPSK      | 1@1   | 24.8  | 23.78 | 0.2388 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>QPSK      | 1@76  | 24.64 | 23.62 | 0.2301 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>16 QAM    | 36@18 | 23.76 | 22.74 | 0.1879 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.76 | 22.74 | 0.1879 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>16 QAM    | 1@76  | 23.64 | 22.62 | 0.1828 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>64 QAM    | 36@18 | 22.25 | 21.23 | 0.1327 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.53 | 21.51 | 0.1416 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>64 QAM    | 1@76  | 22.07 | 21.05 | 0.1274 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>256 QAM   | 36@18 | 20.23 | 19.21 | 0.0834 |
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.35 | 19.33 | 0.0857 |

|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 30 | 664332 | 3964.98 | DFT-s-OFDM<br>256 QAM   | 1@76  | 20.18 | 19.16 | 0.0824 |
| 77 | 30 | 30 | 664332 | 3964.98 | CP-OFDM<br>QPSK         | 39@19 | 23.26 | 22.24 | 0.1675 |
| 77 | 30 | 30 | 664332 | 3964.98 | CP-OFDM<br>QPSK         | 1@1   | 23.34 | 22.32 | 0.1706 |
| 77 | 30 | 30 | 664332 | 3964.98 | CP-OFDM<br>QPSK         | 1@76  | 23.06 | 22.04 | 0.1600 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>PI/2 BPSK | 50@25 | 25.13 | 24.11 | 0.2576 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.09 | 24.07 | 0.2553 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>PI/2 BPSK | 1@104 | 25.21 | 24.19 | 0.2624 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>QPSK      | 50@25 | 25.16 | 24.14 | 0.2594 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>QPSK      | 1@1   | 25.03 | 24.01 | 0.2518 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>QPSK      | 1@104 | 25.19 | 24.17 | 0.2612 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>16 QAM    | 50@25 | 24.18 | 23.16 | 0.2070 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.04 | 23.02 | 0.2004 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>16 QAM    | 1@104 | 24.14 | 23.12 | 0.2051 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>64 QAM    | 50@25 | 22.68 | 21.66 | 0.1466 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.64 | 21.62 | 0.1452 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>64 QAM    | 1@104 | 22.8  | 21.78 | 0.1507 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>256 QAM   | 50@25 | 20.62 | 19.6  | 0.0912 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.59 | 19.57 | 0.0906 |
| 77 | 30 | 40 | 648000 | 3720    | DFT-s-OFDM<br>256 QAM   | 1@104 | 20.74 | 19.72 | 0.0938 |
| 77 | 30 | 40 | 648000 | 3720    | CP-OFDM<br>QPSK         | 53@26 | 23.68 | 22.66 | 0.1845 |
| 77 | 30 | 40 | 648000 | 3720    | CP-OFDM<br>QPSK         | 1@1   | 23.71 | 22.69 | 0.1858 |
| 77 | 30 | 40 | 648000 | 3720    | CP-OFDM<br>QPSK         | 1@104 | 23.78 | 22.76 | 0.1888 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 50@25 | 25.14 | 24.12 | 0.2582 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.06 | 24.04 | 0.2535 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@104 | 24.96 | 23.94 | 0.2477 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 50@25 | 25.15 | 24.13 | 0.2588 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1   | 25.13 | 24.11 | 0.2576 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@104 | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 50@25 | 24.16 | 23.14 | 0.2061 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.14 | 23.12 | 0.2051 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@104 | 24.03 | 23.01 | 0.2000 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 50@25 | 22.67 | 21.65 | 0.1462 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.64 | 21.62 | 0.1452 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@104 | 22.5  | 21.48 | 0.1406 |

|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 50@25 | 20.61 | 19.59 | 0.0910 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.69 | 19.67 | 0.0927 |
| 77 | 30 | 40 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@104 | 20.53 | 19.51 | 0.0893 |
| 77 | 30 | 40 | 656000 | 3840    | CP-OFDM<br>QPSK         | 53@26 | 23.62 | 22.6  | 0.1820 |
| 77 | 30 | 40 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1   | 23.72 | 22.7  | 0.1862 |
| 77 | 30 | 40 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@104 | 23.58 | 22.56 | 0.1803 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>PI/2 BPSK | 50@25 | 24.84 | 23.82 | 0.2410 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.93 | 23.91 | 0.2460 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>PI/2 BPSK | 1@104 | 24.69 | 23.67 | 0.2328 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>QPSK      | 50@25 | 24.87 | 23.85 | 0.2427 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>QPSK      | 1@1   | 24.89 | 23.87 | 0.2438 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>QPSK      | 1@104 | 24.7  | 23.68 | 0.2333 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>16 QAM    | 50@25 | 23.88 | 22.86 | 0.1932 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.9  | 22.88 | 0.1941 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>16 QAM    | 1@104 | 23.74 | 22.72 | 0.1871 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>64 QAM    | 50@25 | 22.39 | 21.37 | 0.1371 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.4  | 21.38 | 0.1374 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>64 QAM    | 1@104 | 22.36 | 21.34 | 0.1361 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>256 QAM   | 50@25 | 20.32 | 19.3  | 0.0851 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.42 | 19.4  | 0.0871 |
| 77 | 30 | 40 | 664000 | 3960    | DFT-s-OFDM<br>256 QAM   | 1@104 | 20.24 | 19.22 | 0.0836 |
| 77 | 30 | 40 | 664000 | 3960    | CP-OFDM<br>QPSK         | 53@26 | 23.34 | 22.32 | 0.1706 |
| 77 | 30 | 40 | 664000 | 3960    | CP-OFDM<br>QPSK         | 1@1   | 23.46 | 22.44 | 0.1754 |
| 77 | 30 | 40 | 664000 | 3960    | CP-OFDM<br>QPSK         | 1@104 | 23.32 | 22.3  | 0.1698 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>PI/2 BPSK | 64@32 | 25.17 | 24.15 | 0.2600 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.02 | 24    | 0.2512 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>PI/2 BPSK | 1@131 | 25.19 | 24.17 | 0.2612 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>QPSK      | 64@32 | 25.19 | 24.17 | 0.2612 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>QPSK      | 1@1   | 25.02 | 24    | 0.2512 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>QPSK      | 1@131 | 25.2  | 24.18 | 0.2618 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>16 QAM    | 64@32 | 24.17 | 23.15 | 0.2065 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.02 | 23    | 0.1995 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>16 QAM    | 1@131 | 24.22 | 23.2  | 0.2089 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>64 QAM    | 64@32 | 22.72 | 21.7  | 0.1479 |

|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.77 | 21.75 | 0.1496 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>64 QAM    | 1@131 | 22.65 | 21.63 | 0.1455 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>256 QAM   | 64@32 | 20.66 | 19.64 | 0.0920 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.57 | 19.55 | 0.0902 |
| 77 | 30 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>256 QAM   | 1@131 | 20.69 | 19.67 | 0.0927 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM<br>QPSK         | 67@33 | 23.74 | 22.72 | 0.1871 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM<br>QPSK         | 1@1   | 23.51 | 22.49 | 0.1774 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM<br>QPSK         | 1@131 | 23.67 | 22.65 | 0.1841 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 64@32 | 25.19 | 24.17 | 0.2612 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.12 | 24.1  | 0.2570 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@131 | 24.97 | 23.95 | 0.2483 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 64@32 | 25.2  | 24.18 | 0.2618 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1   | 25.15 | 24.13 | 0.2588 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@131 | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 64@32 | 24.19 | 23.17 | 0.2075 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.17 | 23.15 | 0.2065 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@131 | 24    | 22.98 | 0.1986 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 64@32 | 22.7  | 21.68 | 0.1472 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.72 | 21.7  | 0.1479 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@131 | 22.72 | 21.7  | 0.1479 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 64@32 | 20.66 | 19.64 | 0.0920 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.63 | 19.61 | 0.0914 |
| 77 | 30 | 50 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@131 | 20.52 | 19.5  | 0.0891 |
| 77 | 30 | 50 | 656000 | 3840    | CP-OFDM<br>QPSK         | 67@33 | 23.71 | 22.69 | 0.1858 |
| 77 | 30 | 50 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1   | 23.62 | 22.6  | 0.1820 |
| 77 | 30 | 50 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@131 | 23.45 | 22.43 | 0.1750 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>PI/2 BPSK | 64@32 | 24.86 | 23.84 | 0.2421 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.84 | 23.82 | 0.2410 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@131 | 24.65 | 23.63 | 0.2307 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>QPSK      | 64@32 | 24.88 | 23.86 | 0.2432 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>QPSK      | 1@1   | 24.87 | 23.85 | 0.2427 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>QPSK      | 1@131 | 24.7  | 23.68 | 0.2333 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>16 QAM    | 64@32 | 23.89 | 22.87 | 0.1936 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.9  | 22.88 | 0.1941 |



|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>16 QAM    | 1@131 | 23.64 | 22.62 | 0.1828 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>64 QAM    | 64@32 | 22.39 | 21.37 | 0.1371 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.55 | 21.53 | 0.1422 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>64 QAM    | 1@131 | 22.42 | 21.4  | 0.1380 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>256 QAM   | 64@32 | 20.38 | 19.36 | 0.0863 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.42 | 19.4  | 0.0871 |
| 77 | 30 | 50 | 663666 | 3954.99 | DFT-s-OFDM<br>256 QAM   | 1@131 | 20.2  | 19.18 | 0.0828 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM<br>QPSK         | 67@33 | 23.41 | 22.39 | 0.1734 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM<br>QPSK         | 1@1   | 23.5  | 22.48 | 0.1770 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM<br>QPSK         | 1@131 | 23.31 | 22.29 | 0.1694 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>PI/2 BPSK | 81@40 | 25.14 | 24.12 | 0.2582 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.89 | 23.87 | 0.2438 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>PI/2 BPSK | 1@160 | 25.03 | 24.01 | 0.2518 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>QPSK      | 81@40 | 25.16 | 24.14 | 0.2594 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>QPSK      | 1@1   | 24.85 | 23.83 | 0.2415 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>QPSK      | 1@160 | 25.07 | 24.05 | 0.2541 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>16 QAM    | 81@40 | 24.12 | 23.1  | 0.2042 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.93 | 22.91 | 0.1954 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>16 QAM    | 1@160 | 24.05 | 23.03 | 0.2009 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>64 QAM    | 81@40 | 22.64 | 21.62 | 0.1452 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.54 | 21.52 | 0.1419 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>64 QAM    | 1@160 | 22.52 | 21.5  | 0.1413 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>256 QAM   | 81@40 | 20.6  | 19.58 | 0.0908 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.43 | 19.41 | 0.0873 |
| 77 | 30 | 60 | 648668 | 3730.02 | DFT-s-OFDM<br>256 QAM   | 1@160 | 20.56 | 19.54 | 0.0899 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM<br>QPSK         | 81@40 | 23.59 | 22.57 | 0.1807 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM<br>QPSK         | 1@1   | 23.42 | 22.4  | 0.1738 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM<br>QPSK         | 1@160 | 23.57 | 22.55 | 0.1799 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 81@40 | 25.15 | 24.13 | 0.2588 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.11 | 24.09 | 0.2564 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@160 | 24.96 | 23.94 | 0.2477 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 81@40 | 25.18 | 24.16 | 0.2606 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1   | 25.09 | 24.07 | 0.2553 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@160 | 24.93 | 23.91 | 0.2460 |

|    |    |    |        |         |                         |       |       |       |        |
|----|----|----|--------|---------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 81@40 | 24.15 | 23.13 | 0.2056 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.11 | 23.09 | 0.2037 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@160 | 23.87 | 22.85 | 0.1928 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 81@40 | 22.67 | 21.65 | 0.1462 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.74 | 21.72 | 0.1486 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@160 | 22.48 | 21.46 | 0.1400 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 81@40 | 20.65 | 19.63 | 0.0918 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.63 | 19.61 | 0.0914 |
| 77 | 30 | 60 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@160 | 20.44 | 19.42 | 0.0875 |
| 77 | 30 | 60 | 656000 | 3840    | CP-OFDM<br>QPSK         | 81@40 | 23.65 | 22.63 | 0.1832 |
| 77 | 30 | 60 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1   | 23.59 | 22.57 | 0.1807 |
| 77 | 30 | 60 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@160 | 23.48 | 22.46 | 0.1762 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>PI/2 BPSK | 81@40 | 24.9  | 23.88 | 0.2443 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.94 | 23.92 | 0.2466 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>PI/2 BPSK | 1@160 | 24.71 | 23.69 | 0.2339 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>QPSK      | 81@40 | 24.92 | 23.9  | 0.2455 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>QPSK      | 1@1   | 24.93 | 23.91 | 0.2460 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>QPSK      | 1@160 | 24.64 | 23.62 | 0.2301 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>16 QAM    | 81@40 | 23.9  | 22.88 | 0.1941 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.91 | 22.89 | 0.1945 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>16 QAM    | 1@160 | 23.69 | 22.67 | 0.1849 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>64 QAM    | 81@40 | 22.43 | 21.41 | 0.1384 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.36 | 21.34 | 0.1361 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>64 QAM    | 1@160 | 22.11 | 21.09 | 0.1285 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>256 QAM   | 81@40 | 20.41 | 19.39 | 0.0869 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.42 | 19.4  | 0.0871 |
| 77 | 30 | 60 | 663332 | 3949.98 | DFT-s-OFDM<br>256 QAM   | 1@160 | 20.21 | 19.19 | 0.0830 |
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>QPSK         | 81@40 | 23.42 | 22.4  | 0.1738 |
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>QPSK         | 1@1   | 23.54 | 22.52 | 0.1786 |
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>QPSK         | 1@160 | 23.31 | 22.29 | 0.1694 |
| 77 | 30 | 70 | 649000 | 3735    | DFT-s-OFDM<br>PI/2 BPSK | 90@45 | 25.2  | 24.18 | 0.2618 |
| 77 | 30 | 70 | 649000 | 3735    | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.97 | 23.95 | 0.2483 |
| 77 | 30 | 70 | 649000 | 3735    | DFT-s-OFDM<br>PI/2 BPSK | 1@187 | 25.17 | 24.15 | 0.2600 |
| 77 | 30 | 70 | 649000 | 3735    | DFT-s-OFDM<br>QPSK      | 90@45 | 25.21 | 24.19 | 0.2624 |

|    |    |    |        |      |                         |       |       |       |        |
|----|----|----|--------|------|-------------------------|-------|-------|-------|--------|
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>QPSK      | 1@1   | 24.95 | 23.93 | 0.2472 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>QPSK      | 1@187 | 25.12 | 24.1  | 0.2570 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>16 QAM    | 90@45 | 24.21 | 23.19 | 0.2084 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>16 QAM    | 1@1   | 23.99 | 22.97 | 0.1982 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>16 QAM    | 1@187 | 24.18 | 23.16 | 0.2070 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>64 QAM    | 90@45 | 22.7  | 21.68 | 0.1472 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.65 | 21.63 | 0.1455 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>64 QAM    | 1@187 | 22.83 | 21.81 | 0.1517 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>256 QAM   | 90@45 | 20.7  | 19.68 | 0.0929 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.57 | 19.55 | 0.0902 |
| 77 | 30 | 70 | 649000 | 3735 | DFT-s-OFDM<br>256 QAM   | 1@187 | 20.71 | 19.69 | 0.0931 |
| 77 | 30 | 70 | 649000 | 3735 | CP-OFDM<br>QPSK         | 95@47 | 23.72 | 22.7  | 0.1862 |
| 77 | 30 | 70 | 649000 | 3735 | CP-OFDM<br>QPSK         | 1@1   | 23.58 | 22.56 | 0.1803 |
| 77 | 30 | 70 | 649000 | 3735 | CP-OFDM<br>QPSK         | 1@187 | 23.78 | 22.76 | 0.1888 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>PI/2 BPSK | 90@45 | 25.33 | 24.31 | 0.2698 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 25.25 | 24.23 | 0.2649 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>PI/2 BPSK | 1@187 | 24.97 | 23.95 | 0.2483 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>QPSK      | 90@45 | 25.37 | 24.35 | 0.2723 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>QPSK      | 1@1   | 25.23 | 24.21 | 0.2636 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>QPSK      | 1@187 | 24.97 | 23.95 | 0.2483 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>16 QAM    | 90@45 | 24.32 | 23.3  | 0.2138 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>16 QAM    | 1@1   | 24.32 | 23.3  | 0.2138 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>16 QAM    | 1@187 | 23.99 | 22.97 | 0.1982 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>64 QAM    | 90@45 | 22.84 | 21.82 | 0.1521 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>64 QAM    | 1@1   | 22.71 | 21.69 | 0.1476 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>64 QAM    | 1@187 | 22.51 | 21.49 | 0.1409 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>256 QAM   | 90@45 | 20.84 | 19.82 | 0.0959 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>256 QAM   | 1@1   | 20.77 | 19.75 | 0.0944 |
| 77 | 30 | 70 | 656000 | 3840 | DFT-s-OFDM<br>256 QAM   | 1@187 | 20.53 | 19.51 | 0.0893 |
| 77 | 30 | 70 | 656000 | 3840 | CP-OFDM<br>QPSK         | 95@47 | 23.82 | 22.8  | 0.1905 |
| 77 | 30 | 70 | 656000 | 3840 | CP-OFDM<br>QPSK         | 1@1   | 23.91 | 22.89 | 0.1945 |
| 77 | 30 | 70 | 656000 | 3840 | CP-OFDM<br>QPSK         | 1@187 | 23.59 | 22.57 | 0.1807 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s-OFDM<br>PI/2 BPSK | 90@45 | 25    | 23.98 | 0.2500 |
| 77 | 30 | 70 | 663000 | 3945 | DFT-s-OFDM<br>PI/2 BPSK | 1@1   | 24.98 | 23.96 | 0.2489 |

|    |    |    |        |         |                         |        |       |       |        |
|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>PI/2 BPSK | 1@187  | 24.86 | 23.84 | 0.2421 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>QPSK      | 90@45  | 25.05 | 24.03 | 0.2529 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>QPSK      | 1@1    | 25.01 | 23.99 | 0.2506 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>QPSK      | 1@187  | 24.82 | 23.8  | 0.2399 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>16 QAM    | 90@45  | 24.06 | 23.04 | 0.2014 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>16 QAM    | 1@1    | 24.03 | 23.01 | 0.2000 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>16 QAM    | 1@187  | 23.82 | 22.8  | 0.1905 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>64 QAM    | 90@45  | 22.55 | 21.53 | 0.1422 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.55 | 21.53 | 0.1422 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>64 QAM    | 1@187  | 22.24 | 21.22 | 0.1324 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>256 QAM   | 90@45  | 20.58 | 19.56 | 0.0904 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.52 | 19.5  | 0.0891 |
| 77 | 30 | 70 | 663000 | 3945    | DFT-s-OFDM<br>256 QAM   | 1@187  | 20.38 | 19.36 | 0.0863 |
| 77 | 30 | 70 | 663000 | 3945    | CP-OFDM<br>QPSK         | 95@47  | 23.49 | 22.47 | 0.1766 |
| 77 | 30 | 70 | 663000 | 3945    | CP-OFDM<br>QPSK         | 1@1    | 23.56 | 22.54 | 0.1795 |
| 77 | 30 | 70 | 663000 | 3945    | CP-OFDM<br>QPSK         | 1@187  | 23.44 | 22.42 | 0.1746 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>PI/2 BPSK | 108@54 | 25.22 | 24.2  | 0.2630 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>PI/2 BPSK | 1@215  | 25.17 | 24.15 | 0.2600 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>QPSK      | 108@54 | 25.24 | 24.22 | 0.2642 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>QPSK      | 1@1    | 25.01 | 23.99 | 0.2506 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>QPSK      | 1@215  | 25.17 | 24.15 | 0.2600 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>16 QAM    | 108@54 | 24.26 | 23.24 | 0.2109 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>16 QAM    | 1@1    | 23.98 | 22.96 | 0.1977 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>16 QAM    | 1@215  | 24.19 | 23.17 | 0.2075 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>64 QAM    | 108@54 | 22.69 | 21.67 | 0.1469 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.49 | 21.47 | 0.1403 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>64 QAM    | 1@215  | 22.68 | 21.66 | 0.1466 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>256 QAM   | 108@54 | 20.72 | 19.7  | 0.0933 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.52 | 19.5  | 0.0891 |
| 77 | 30 | 80 | 649334 | 3740.01 | DFT-s-OFDM<br>256 QAM   | 1@215  | 20.7  | 19.68 | 0.0929 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>QPSK         | 109@54 | 23.68 | 22.66 | 0.1845 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>QPSK         | 1@1    | 23.4  | 22.38 | 0.1730 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>QPSK         | 1@215  | 23.63 | 22.61 | 0.1824 |

|    |    |    |        |         |                         |        |       |       |        |
|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 108@54 | 25.32 | 24.3  | 0.2692 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 25.3  | 24.28 | 0.2679 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@215  | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 108@54 | 25.34 | 24.32 | 0.2704 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1    | 25.27 | 24.25 | 0.2661 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@215  | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 108@54 | 24.32 | 23.3  | 0.2138 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1    | 24.27 | 23.25 | 0.2113 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@215  | 23.99 | 22.97 | 0.1982 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 108@54 | 22.82 | 21.8  | 0.1514 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.7  | 21.68 | 0.1472 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@215  | 22.46 | 21.44 | 0.1393 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 108@54 | 20.82 | 19.8  | 0.0955 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.77 | 19.75 | 0.0944 |
| 77 | 30 | 80 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@215  | 20.52 | 19.5  | 0.0891 |
| 77 | 30 | 80 | 656000 | 3840    | CP-OFDM<br>QPSK         | 109@54 | 23.82 | 22.8  | 0.1905 |
| 77 | 30 | 80 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1    | 23.78 | 22.76 | 0.1888 |
| 77 | 30 | 80 | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@215  | 23.53 | 22.51 | 0.1782 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>PI/2 BPSK | 108@54 | 24.94 | 23.92 | 0.2466 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 25.04 | 24.02 | 0.2523 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>PI/2 BPSK | 1@215  | 24.74 | 23.72 | 0.2355 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>QPSK      | 108@54 | 24.98 | 23.96 | 0.2489 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>QPSK      | 1@1    | 25.01 | 23.99 | 0.2506 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>QPSK      | 1@215  | 24.77 | 23.75 | 0.2371 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>16 QAM    | 108@54 | 24.03 | 23.01 | 0.2000 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>16 QAM    | 1@1    | 24.02 | 23    | 0.1995 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>16 QAM    | 1@215  | 23.75 | 22.73 | 0.1875 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>64 QAM    | 108@54 | 22.51 | 21.49 | 0.1409 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.46 | 21.44 | 0.1393 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>64 QAM    | 1@215  | 22.23 | 21.21 | 0.1321 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>256 QAM   | 108@54 | 20.48 | 19.46 | 0.0883 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.53 | 19.51 | 0.0893 |
| 77 | 30 | 80 | 662666 | 3939.99 | DFT-s-OFDM<br>256 QAM   | 1@215  | 20.31 | 19.29 | 0.0849 |
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM<br>QPSK         | 109@54 | 23.45 | 22.43 | 0.1750 |

|    |    |    |        |         |                         |        |       |       |        |
|----|----|----|--------|---------|-------------------------|--------|-------|-------|--------|
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM<br>QPSK         | 1@1    | 23.5  | 22.48 | 0.1770 |
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM<br>QPSK         | 1@215  | 23.33 | 22.31 | 0.1702 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>PI/2 BPSK | 120@60 | 25.24 | 24.22 | 0.2642 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>PI/2 BPSK | 1@243  | 25.15 | 24.13 | 0.2588 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>QPSK      | 120@60 | 25.23 | 24.21 | 0.2636 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>QPSK      | 1@1    | 24.99 | 23.97 | 0.2495 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>QPSK      | 1@243  | 25.23 | 24.21 | 0.2636 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>16 QAM    | 120@60 | 24.25 | 23.23 | 0.2104 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>16 QAM    | 1@1    | 24    | 22.98 | 0.1986 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>16 QAM    | 1@243  | 24.23 | 23.21 | 0.2094 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>64 QAM    | 120@60 | 22.71 | 21.69 | 0.1476 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.46 | 21.44 | 0.1393 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>64 QAM    | 1@243  | 22.66 | 21.64 | 0.1459 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>256 QAM   | 120@60 | 20.72 | 19.7  | 0.0933 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.5  | 19.48 | 0.0887 |
| 77 | 30 | 90 | 649668 | 3745.02 | DFT-s-OFDM<br>256 QAM   | 1@243  | 20.74 | 19.72 | 0.0938 |
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM<br>QPSK         | 123@61 | 23.69 | 22.67 | 0.1849 |
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM<br>QPSK         | 1@1    | 23.52 | 22.5  | 0.1778 |
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM<br>QPSK         | 1@243  | 23.69 | 22.67 | 0.1849 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 120@60 | 25.3  | 24.28 | 0.2679 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 25.15 | 24.13 | 0.2588 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>PI/2 BPSK | 1@243  | 24.88 | 23.86 | 0.2432 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 120@60 | 25.34 | 24.32 | 0.2704 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@1    | 25.2  | 24.18 | 0.2618 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>QPSK      | 1@243  | 24.92 | 23.9  | 0.2455 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 120@60 | 24.34 | 23.32 | 0.2148 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@1    | 24.22 | 23.2  | 0.2089 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>16 QAM    | 1@243  | 23.86 | 22.84 | 0.1923 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 120@60 | 22.83 | 21.81 | 0.1517 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.67 | 21.65 | 0.1462 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>64 QAM    | 1@243  | 22.34 | 21.32 | 0.1355 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 120@60 | 20.8  | 19.78 | 0.0951 |
| 77 | 30 | 90 | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.72 | 19.7  | 0.0933 |

|    |    |     |        |         |                         |        |       |       |        |
|----|----|-----|--------|---------|-------------------------|--------|-------|-------|--------|
| 77 | 30 | 90  | 656000 | 3840    | DFT-s-OFDM<br>256 QAM   | 1@243  | 20.45 | 19.43 | 0.0877 |
| 77 | 30 | 90  | 656000 | 3840    | CP-OFDM<br>QPSK         | 123@61 | 23.8  | 22.78 | 0.1897 |
| 77 | 30 | 90  | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@1    | 23.71 | 22.69 | 0.1858 |
| 77 | 30 | 90  | 656000 | 3840    | CP-OFDM<br>QPSK         | 1@243  | 23.37 | 22.35 | 0.1718 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>PI/2 BPSK | 120@60 | 24.96 | 23.94 | 0.2477 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 25.05 | 24.03 | 0.2529 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>PI/2 BPSK | 1@243  | 24.73 | 23.71 | 0.2350 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>QPSK      | 120@60 | 25    | 23.98 | 0.2500 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>QPSK      | 1@1    | 25.05 | 24.03 | 0.2529 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>QPSK      | 1@243  | 24.71 | 23.69 | 0.2339 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>16 QAM    | 120@60 | 23.99 | 22.97 | 0.1982 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>16 QAM    | 1@1    | 23.98 | 22.96 | 0.1977 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>16 QAM    | 1@243  | 23.7  | 22.68 | 0.1854 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>64 QAM    | 120@60 | 22.49 | 21.47 | 0.1403 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.53 | 21.51 | 0.1416 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>64 QAM    | 1@243  | 22.33 | 21.31 | 0.1352 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>256 QAM   | 120@60 | 20.48 | 19.46 | 0.0883 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.58 | 19.56 | 0.0904 |
| 77 | 30 | 90  | 662332 | 3934.98 | DFT-s-OFDM<br>256 QAM   | 1@243  | 20.24 | 19.22 | 0.0836 |
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM<br>QPSK         | 123@61 | 23.46 | 22.44 | 0.1754 |
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM<br>QPSK         | 1@1    | 23.48 | 22.46 | 0.1762 |
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM<br>QPSK         | 1@243  | 23.1  | 22.08 | 0.1614 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>PI/2 BPSK | 135@67 | 25.23 | 24.21 | 0.2636 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 24.93 | 23.91 | 0.2460 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>PI/2 BPSK | 1@271  | 25.21 | 24.19 | 0.2624 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>QPSK      | 135@67 | 25.26 | 24.24 | 0.2655 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>QPSK      | 1@1    | 24.98 | 23.96 | 0.2489 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>QPSK      | 1@271  | 25.27 | 24.25 | 0.2661 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>16 QAM    | 135@67 | 24.26 | 23.24 | 0.2109 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>16 QAM    | 1@1    | 23.95 | 22.93 | 0.1963 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>16 QAM    | 1@271  | 24.25 | 23.23 | 0.2104 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>64 QAM    | 135@67 | 22.77 | 21.75 | 0.1496 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.51 | 21.49 | 0.1409 |
| 77 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM<br>64 QAM    | 1@271  | 22.76 | 21.74 | 0.1493 |

|    |    |     |        |      |                         |        |       |       |        |
|----|----|-----|--------|------|-------------------------|--------|-------|-------|--------|
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM<br>256 QAM   | 135@67 | 20.74 | 19.72 | 0.0938 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.47 | 19.45 | 0.0881 |
| 77 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM<br>256 QAM   | 1@271  | 20.78 | 19.76 | 0.0946 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM<br>QPSK         | 137@68 | 23.71 | 22.69 | 0.1858 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM<br>QPSK         | 1@1    | 23.53 | 22.51 | 0.1782 |
| 77 | 30 | 100 | 650000 | 3750 | CP-OFDM<br>QPSK         | 1@271  | 23.86 | 22.84 | 0.1923 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>PI/2 BPSK | 135@67 | 25.28 | 24.26 | 0.2667 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 25.22 | 24.2  | 0.2630 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>PI/2 BPSK | 1@271  | 24.88 | 23.86 | 0.2432 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>QPSK      | 135@67 | 25.33 | 24.31 | 0.2698 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>QPSK      | 1@1    | 25.19 | 24.17 | 0.2612 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>QPSK      | 1@271  | 24.87 | 23.85 | 0.2427 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>16 QAM    | 135@67 | 24.36 | 23.34 | 0.2158 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>16 QAM    | 1@1    | 24.16 | 23.14 | 0.2061 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>16 QAM    | 1@271  | 23.8  | 22.78 | 0.1897 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>64 QAM    | 135@67 | 22.82 | 21.8  | 0.1514 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>64 QAM    | 1@1    | 22.83 | 21.81 | 0.1517 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>64 QAM    | 1@271  | 22.51 | 21.49 | 0.1409 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>256 QAM   | 135@67 | 20.82 | 19.8  | 0.0955 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>256 QAM   | 1@1    | 20.71 | 19.69 | 0.0931 |
| 77 | 30 | 100 | 656000 | 3840 | DFT-s-OFDM<br>256 QAM   | 1@271  | 20.39 | 19.37 | 0.0865 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM<br>QPSK         | 137@68 | 23.8  | 22.78 | 0.1897 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM<br>QPSK         | 1@1    | 23.63 | 22.61 | 0.1824 |
| 77 | 30 | 100 | 656000 | 3840 | CP-OFDM<br>QPSK         | 1@271  | 23.26 | 22.24 | 0.1675 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>PI/2 BPSK | 135@67 | 25.01 | 23.99 | 0.2506 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>PI/2 BPSK | 1@1    | 25.14 | 24.12 | 0.2582 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>PI/2 BPSK | 1@271  | 24.8  | 23.78 | 0.2388 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>QPSK      | 135@67 | 25.02 | 24    | 0.2512 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>QPSK      | 1@1    | 25.11 | 24.09 | 0.2564 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>QPSK      | 1@271  | 24.76 | 23.74 | 0.2366 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>16 QAM    | 135@67 | 24.04 | 23.02 | 0.2004 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>16 QAM    | 1@1    | 24.17 | 23.15 | 0.2065 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>16 QAM    | 1@271  | 23.83 | 22.81 | 0.1910 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>64 QAM    | 135@67 | 22.55 | 21.53 | 0.1422 |



|    |    |     |        |      |                       |        |       |       |        |
|----|----|-----|--------|------|-----------------------|--------|-------|-------|--------|
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>64 QAM  | 1@1    | 22.58 | 21.56 | 0.1432 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>64 QAM  | 1@271  | 22.24 | 21.22 | 0.1324 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>256 QAM | 135@67 | 20.55 | 19.53 | 0.0897 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>256 QAM | 1@1    | 20.65 | 19.63 | 0.0918 |
| 77 | 30 | 100 | 662000 | 3930 | DFT-s-OFDM<br>256 QAM | 1@271  | 20.34 | 19.32 | 0.0855 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM<br>QPSK       | 137@68 | 23.52 | 22.5  | 0.1778 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM<br>QPSK       | 1@1    | 23.7  | 22.68 | 0.1854 |
| 77 | 30 | 100 | 662000 | 3930 | CP-OFDM<br>QPSK       | 1@271  | 23.23 | 22.21 | 0.1663 |

## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------------|---------|-------------|
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0151          | PASS    | NV          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0221          | PASS    | LV          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0313          | PASS    | HV          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0511          | PASS    | -30°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0215          | PASS    | -20°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0232          | PASS    | -10°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0123          | PASS    | 0°C         |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0131          | PASS    | 10°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0113          | PASS    | 20°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0135          | PASS    | 30°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0121          | PASS    | 40°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 50@0 | 0.0117          | PASS    | 50°C        |

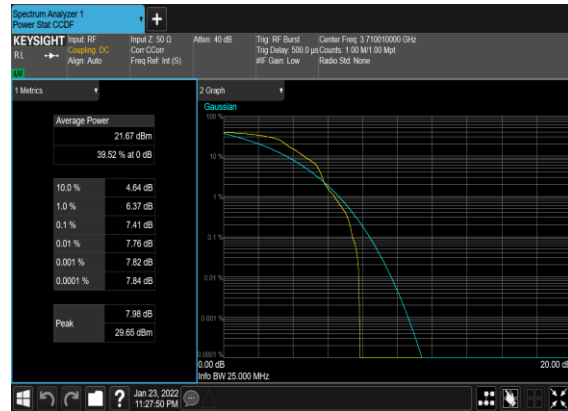
## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|------|-------------|------------|---------|
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.27        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM PI/2 BPSK | 1@0  | 7.41        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 50@0 | 8.42        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK      | 1@0  | 8.91        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.22        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 1@0  | 7.93        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 50@0 | 8.41        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 1@0  | 8.7         | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM PI/2 BPSK | 50@0 | 7.19        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM PI/2 BPSK | 1@0  | 7.02        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM QPSK      | 50@0 | 8.38        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | DFT-s-OFDM QPSK      | 1@0  | 8.34        | 13         | PASS    |

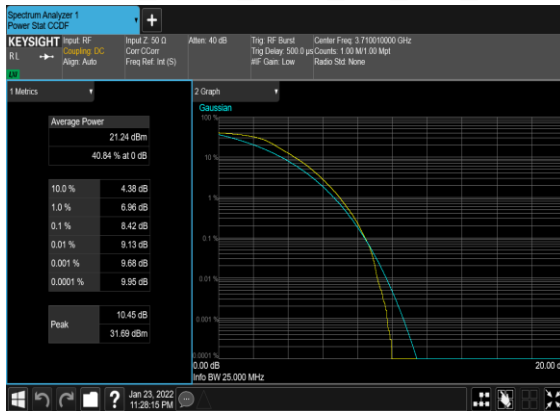
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



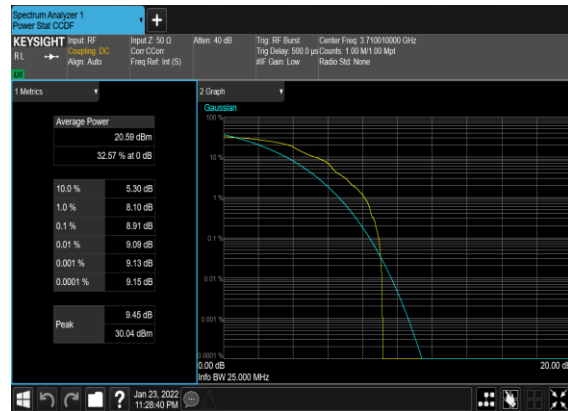
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



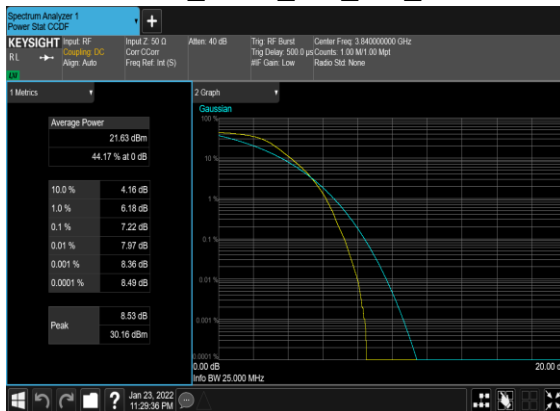
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



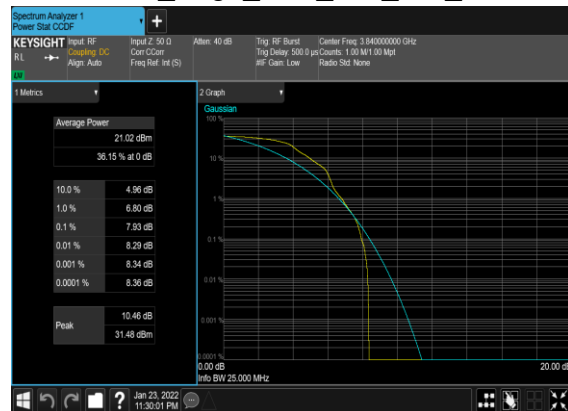
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



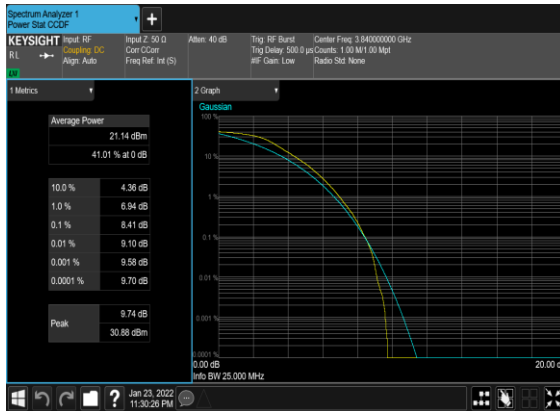
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



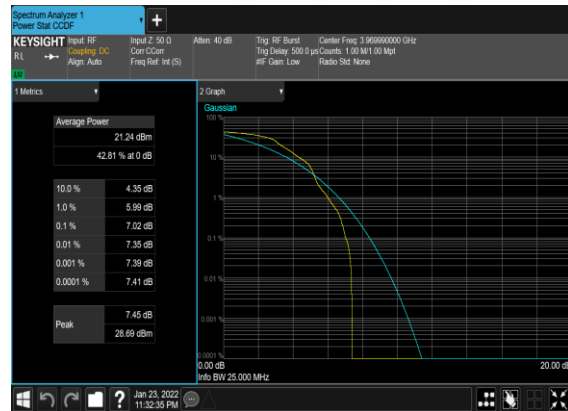
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



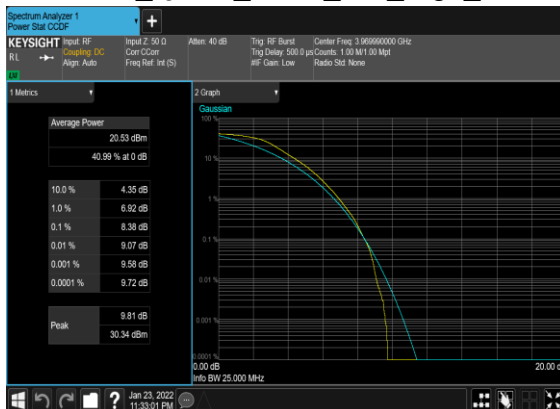
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



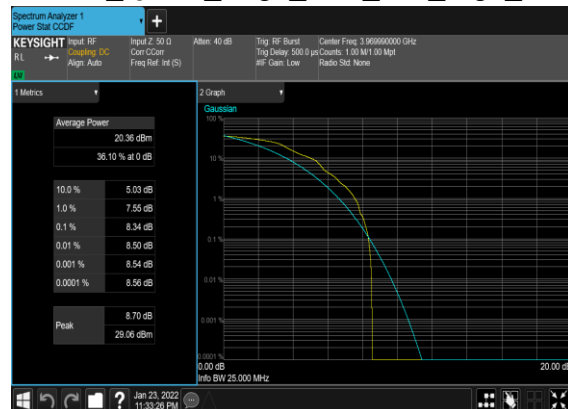
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



## Occupied Bandwidth

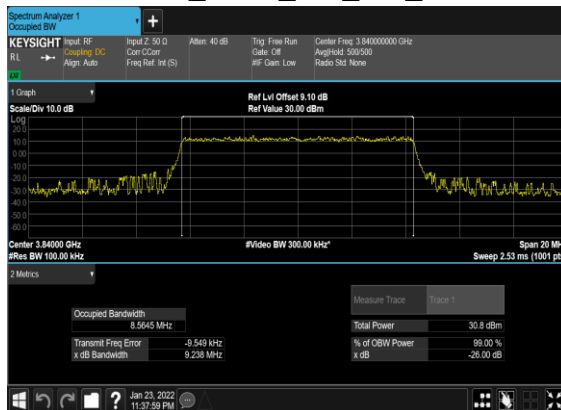
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB   | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|----------------------|------|-----------|----------------|
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 24@0 | 8.5645    | 9.238          |
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 24@0 | 8.5937    | 9.13           |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM QPSK         | 24@0 | 8.5791    | 10.16          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 24@0 | 8.5891    | 9.308          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 24@0 | 8.5744    | 9.172          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 24@0 | 8.5831    | 9.144          |
| 77      | 30        | 15              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 36@0 | 12.839    | 13.6           |
| 77      | 30        | 15              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 36@0 | 12.812    | 13.77          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM QPSK         | 38@0 | 13.564    | 14.83          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 38@0 | 13.546    | 14.52          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 38@0 | 13.574    | 14.3           |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 38@0 | 13.568    | 14.45          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 50@0 | 17.835    | 18.99          |
| 77      | 30        | 20              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 50@0 | 17.86     | 18.7           |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK         | 51@0 | 18.195    | 19.09          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 51@0 | 18.233    | 19.46          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 51@0 | 18.206    | 19.22          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 51@0 | 18.183    | 19.23          |
| 77      | 30        | 25              | 656000 | 3840.0     | DFT-s-OFDM PI/2 BPSK | 64@0 | 22.785    | 23.85          |
| 77      | 30        | 25              | 656000 | 3840.0     | DFT-s-OFDM QPSK      | 64@0 | 22.779    | 23.75          |
| 77      | 30        | 25              | 656000 | 3840.0     | CP-OFDM QPSK         | 65@0 | 23.18     | 24.26          |
| 77      | 30        | 25              | 656000 | 3840.0     | CP-OFDM 16 QAM       | 65@0 | 23.159    | 24.18          |
| 77      | 30        | 25              | 656000 | 3840.0     | CP-OFDM 64 QAM       | 65@0 | 23.159    | 24.21          |
| 77      | 30        | 25              | 656000 | 3840.0     | CP-OFDM 256 QAM      | 65@0 | 23.184    | 24.09          |

|    |    |    |        |        |                      |       |        |       |
|----|----|----|--------|--------|----------------------|-------|--------|-------|
| 77 | 30 | 30 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 75@0  | 26.833 | 28.05 |
| 77 | 30 | 30 | 656000 | 3840.0 | DFT-s-OFDM QPSK      | 75@0  | 26.799 | 28.18 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM QPSK         | 78@0  | 27.821 | 29.19 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM 16 QAM       | 78@0  | 27.817 | 28.95 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM 64 QAM       | 78@0  | 27.786 | 29.16 |
| 77 | 30 | 30 | 656000 | 3840.0 | CP-OFDM 256 QAM      | 78@0  | 27.806 | 29.03 |
| 77 | 30 | 40 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 100@0 | 35.742 | 38.13 |
| 77 | 30 | 40 | 656000 | 3840.0 | DFT-s-OFDM QPSK      | 100@0 | 35.761 | 37.32 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM QPSK         | 106@0 | 37.835 | 40.39 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 16 QAM       | 106@0 | 37.872 | 39.4  |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 64 QAM       | 106@0 | 37.893 | 39.64 |
| 77 | 30 | 40 | 656000 | 3840.0 | CP-OFDM 256 QAM      | 106@0 | 37.775 | 39.51 |
| 77 | 30 | 50 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 128@0 | 45.687 | 47.53 |
| 77 | 30 | 50 | 656000 | 3840.0 | DFT-s-OFDM QPSK      | 128@0 | 45.774 | 47.37 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM QPSK         | 133@0 | 47.388 | 49.2  |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 16 QAM       | 133@0 | 47.495 | 50.23 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 64 QAM       | 133@0 | 47.448 | 49.13 |
| 77 | 30 | 50 | 656000 | 3840.0 | CP-OFDM 256 QAM      | 133@0 | 47.544 | 49.13 |
| 77 | 30 | 60 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 162@0 | 57.869 | 59.79 |
| 77 | 30 | 60 | 656000 | 3840.0 | DFT-s-OFDM QPSK      | 162@0 | 57.938 | 59.69 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM QPSK         | 162@0 | 57.749 | 59.77 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 16 QAM       | 162@0 | 57.739 | 59.73 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 64 QAM       | 162@0 | 57.824 | 59.75 |
| 77 | 30 | 60 | 656000 | 3840.0 | CP-OFDM 256 QAM      | 162@0 | 57.751 | 59.76 |
| 77 | 30 | 70 | 656000 | 3840.0 | DFT-s-OFDM PI/2 BPSK | 180@0 | 64.295 | 67.2  |
| 77 | 30 | 70 | 656000 | 3840.0 | DFT-s-OFDM           | 180@0 | 64.392 | 66.4  |

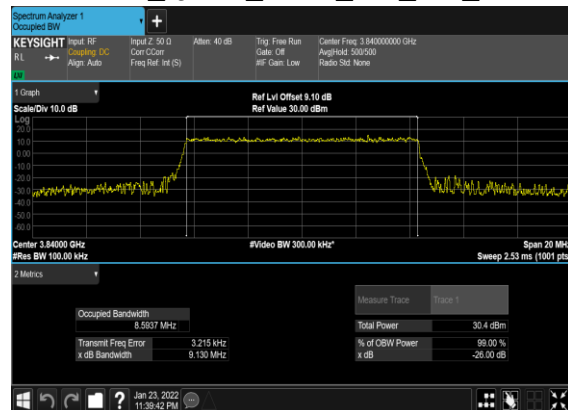
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|------|----|-----|--------|--------|-----------------------------|-------|--------|-------|
| 77   | 30 | 70  | 656000 | 3840.0 | CP-OFDM<br>QPSK             | 189@0 | 67.498 | 69.61 |
| 77   | 30 | 70  | 656000 | 3840.0 | CP-OFDM<br>16 QAM           | 189@0 | 67.468 | 70.38 |
| 77   | 30 | 70  | 656000 | 3840.0 | CP-OFDM<br>64 QAM           | 189@0 | 67.457 | 69.63 |
| 77   | 30 | 70  | 656000 | 3840.0 | CP-OFDM<br>256 QAM          | 189@0 | 67.375 | 69.57 |
| 77   | 30 | 80  | 656000 | 3840.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 216@0 | 77.057 | 79.6  |
| 77   | 30 | 80  | 656000 | 3840.0 | DFT-s-<br>OFDM<br>QPSK      | 216@0 | 77.173 | 79.58 |
| 77   | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>QPSK             | 217@0 | 77.543 | 80.16 |
| 77   | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>16 QAM           | 217@0 | 77.503 | 80.13 |
| 77   | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>64 QAM           | 217@0 | 77.408 | 80.05 |
| 77   | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>256 QAM          | 217@0 | 77.512 | 80.89 |
| 77   | 30 | 90  | 656000 | 3840.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 240@0 | 85.809 | 88.49 |
| 77   | 30 | 90  | 656000 | 3840.0 | DFT-s-<br>OFDM<br>QPSK      | 240@0 | 85.701 | 88.45 |
| 77   | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>QPSK             | 245@0 | 87.489 | 90.31 |
| 77   | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>16 QAM           | 245@0 | 87.458 | 90.33 |
| 77   | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>64 QAM           | 245@0 | 87.502 | 90.36 |
| 77   | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>256 QAM          | 245@0 | 87.478 | 90.33 |
| 77   | 30 | 100 | 656000 | 3840.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 270@0 | 96.425 | 99.58 |
| 77   | 30 | 100 | 656000 | 3840.0 | DFT-s-<br>OFDM<br>QPSK      | 270@0 | 96.533 | 99.56 |
| 77   | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>QPSK             | 273@0 | 97.545 | 100.6 |
| 77   | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>16 QAM           | 273@0 | 97.526 | 100.6 |
| 77   | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>64 QAM           | 273@0 | 97.483 | 100.6 |
| 77   | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>256 QAM          | 273@0 | 97.525 | 100.6 |



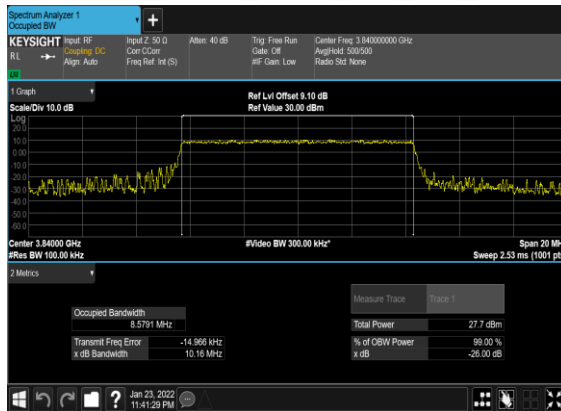
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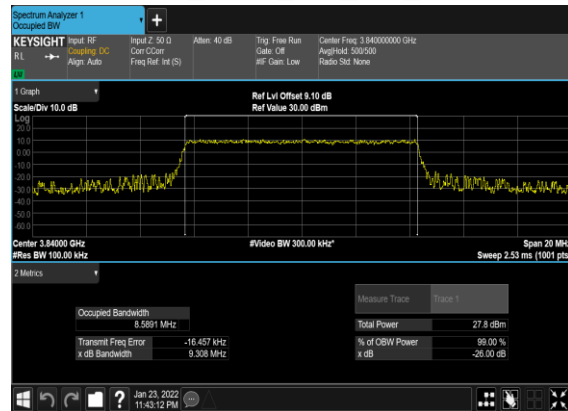
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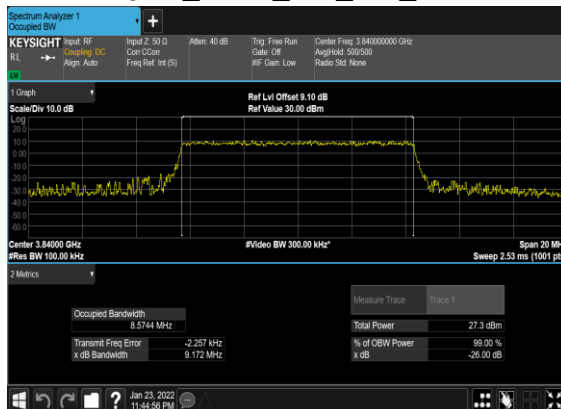
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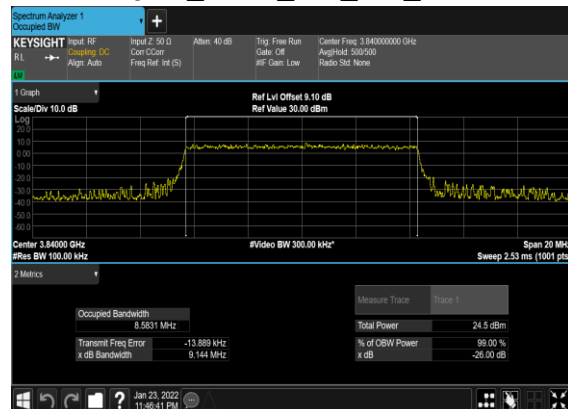
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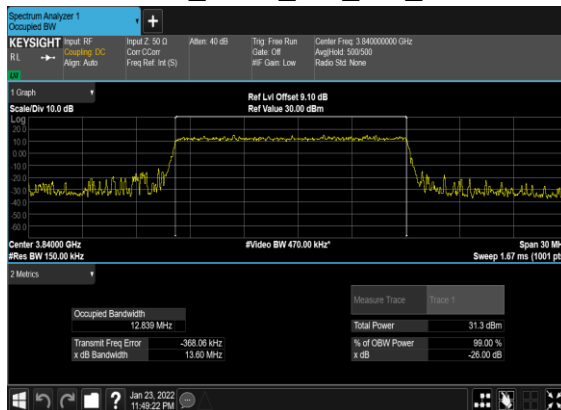
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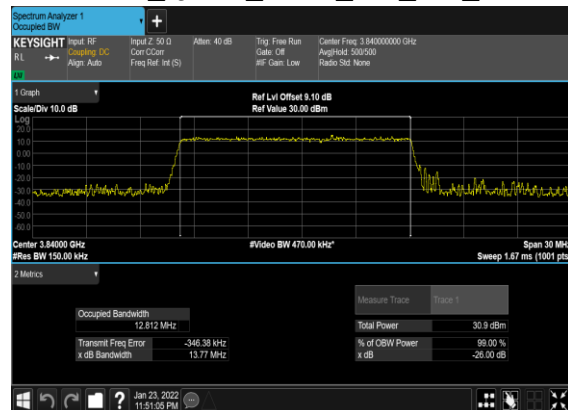
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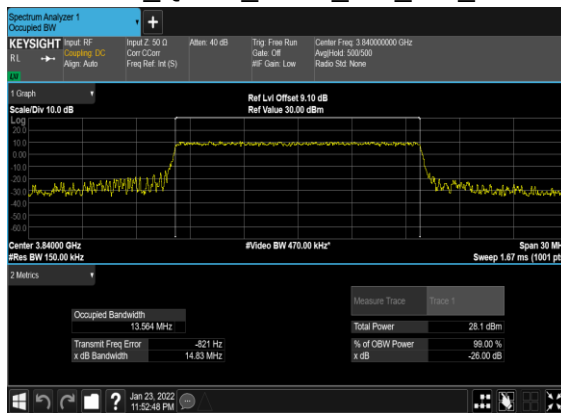
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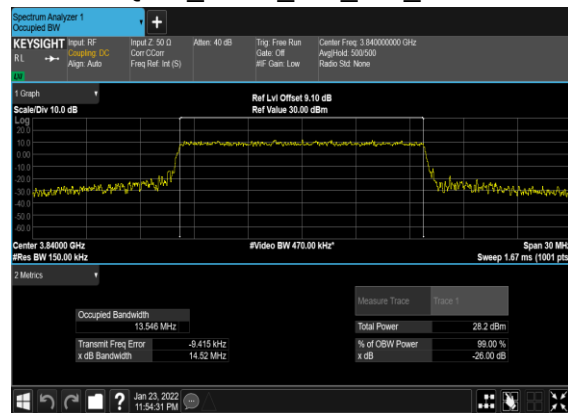
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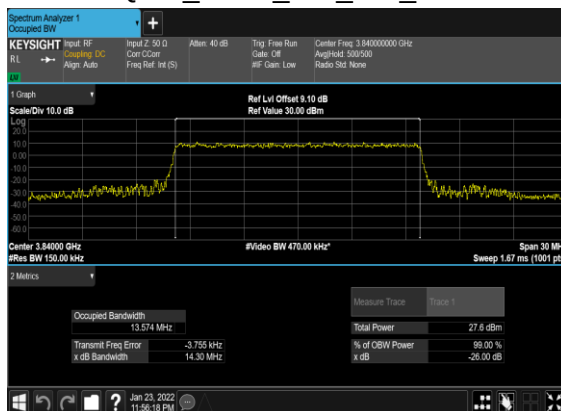
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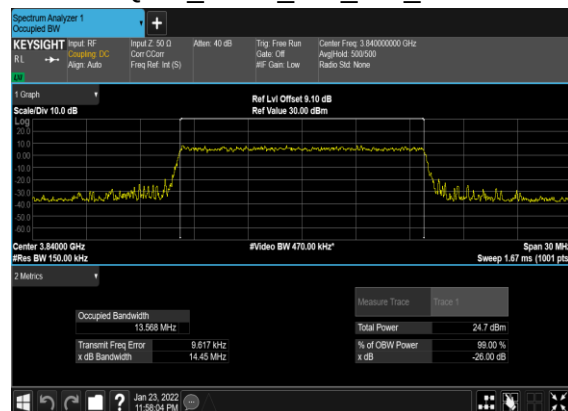
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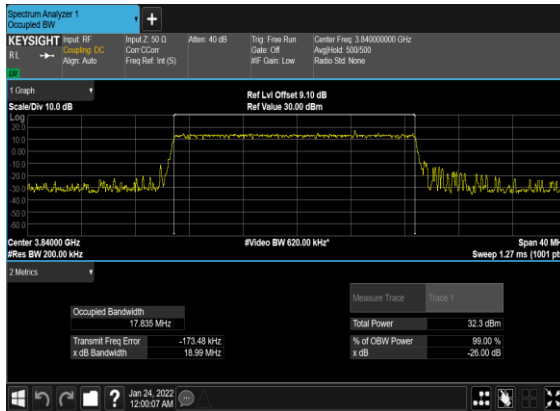
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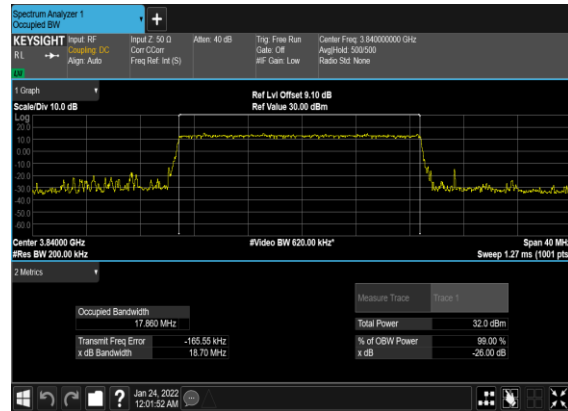
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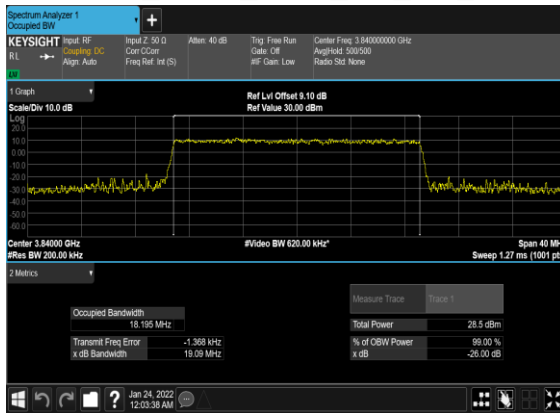
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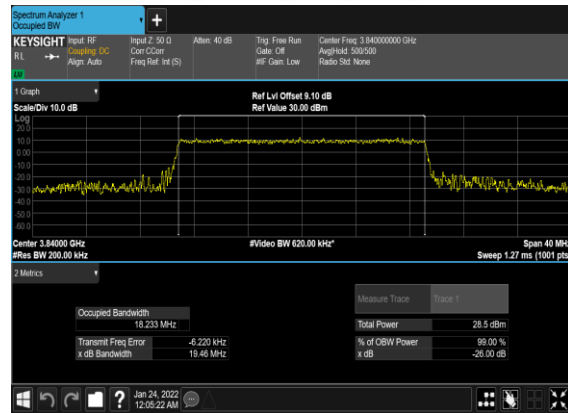
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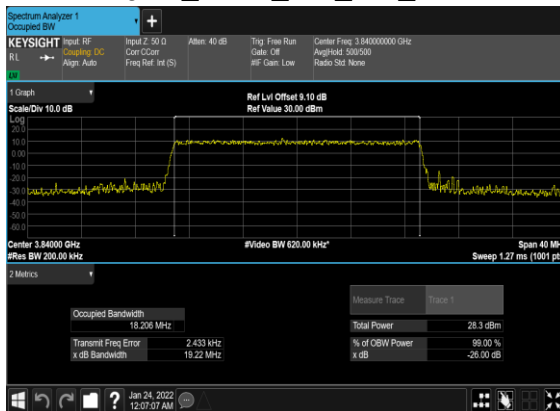
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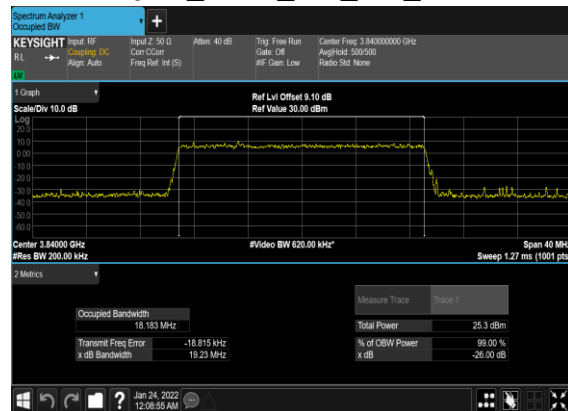
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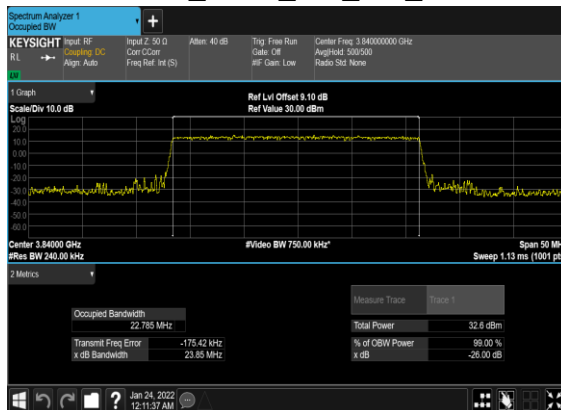
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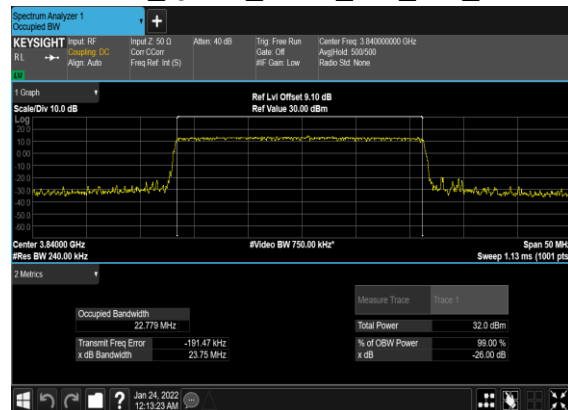
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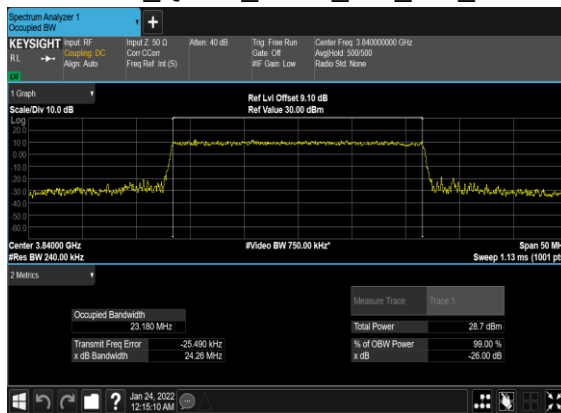
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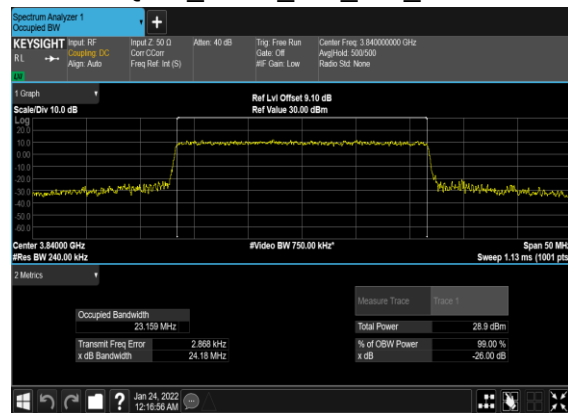
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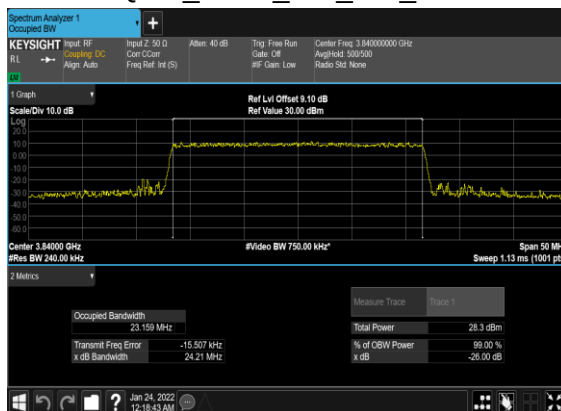
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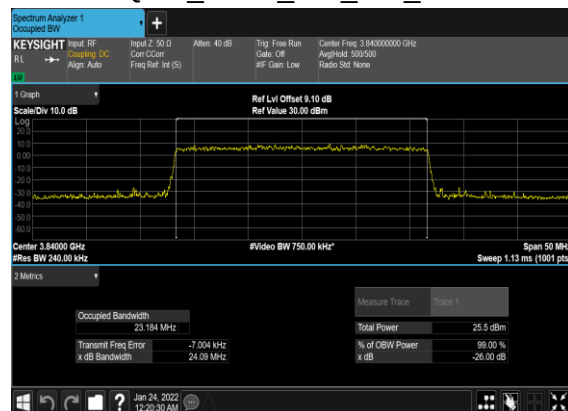
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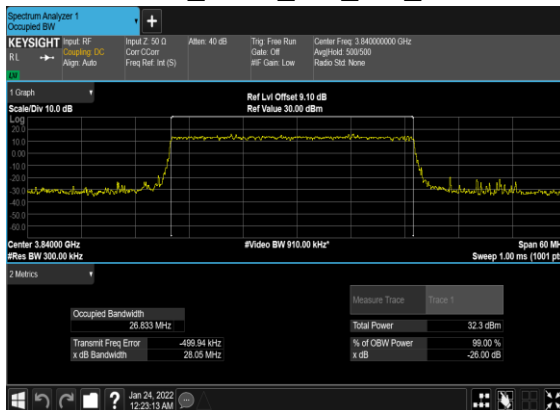
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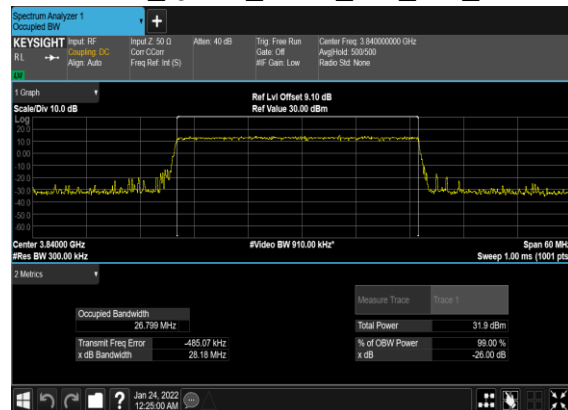
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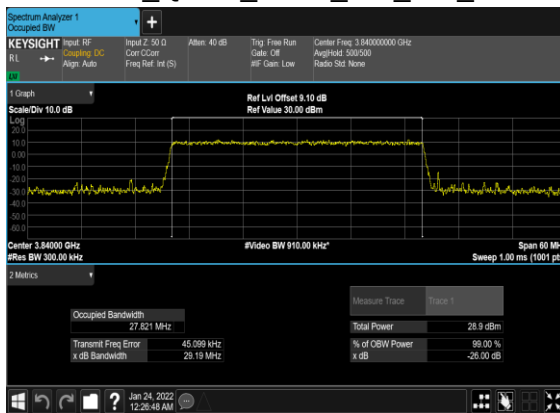
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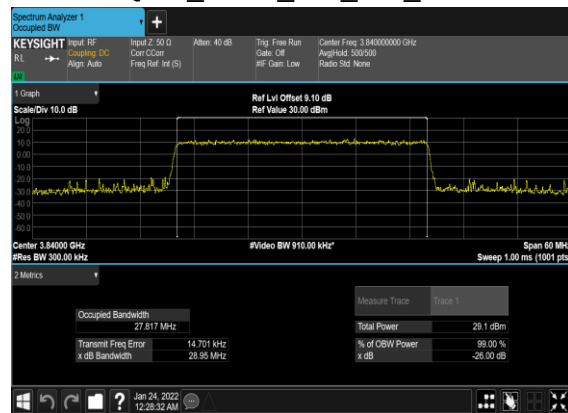
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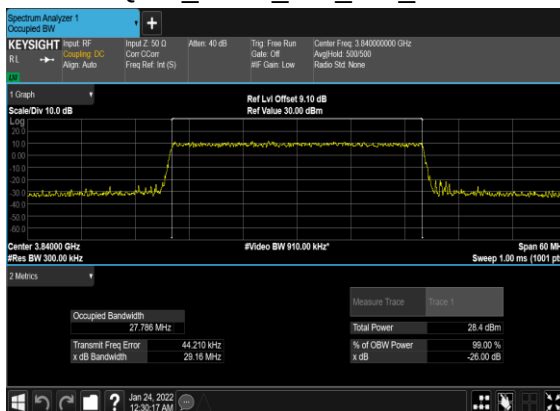
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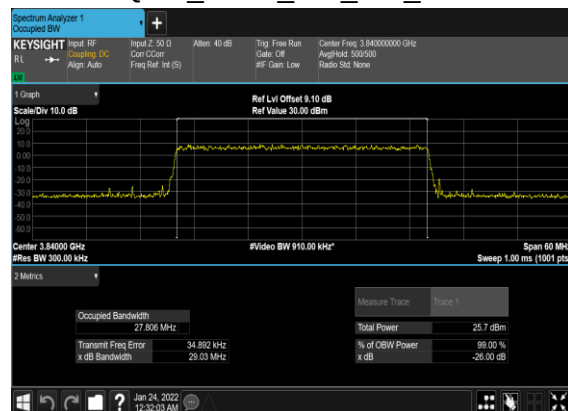
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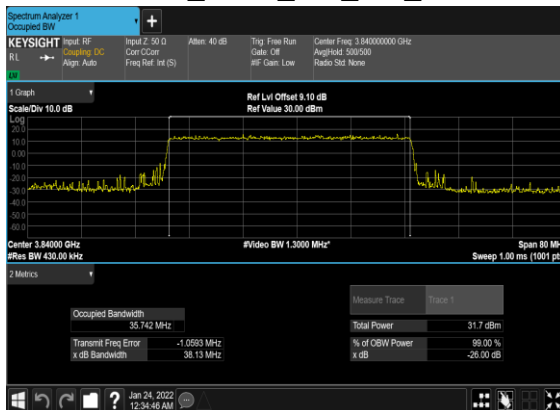
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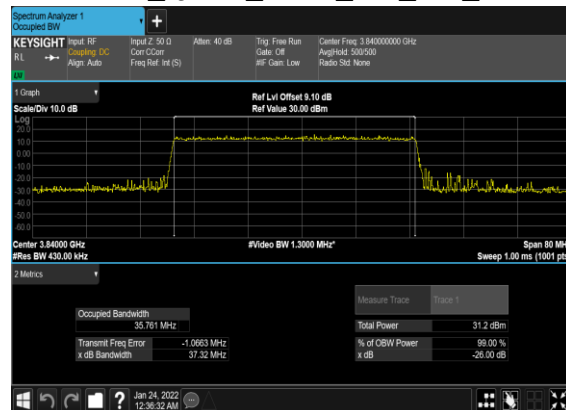
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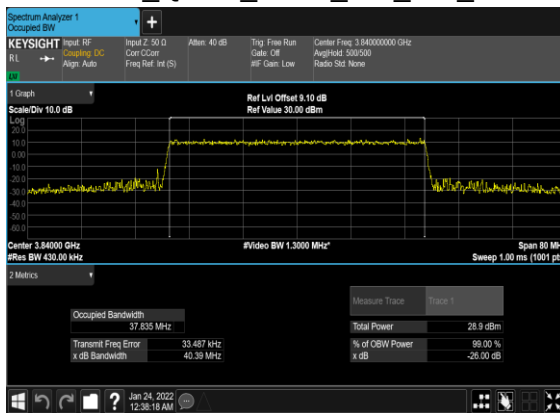
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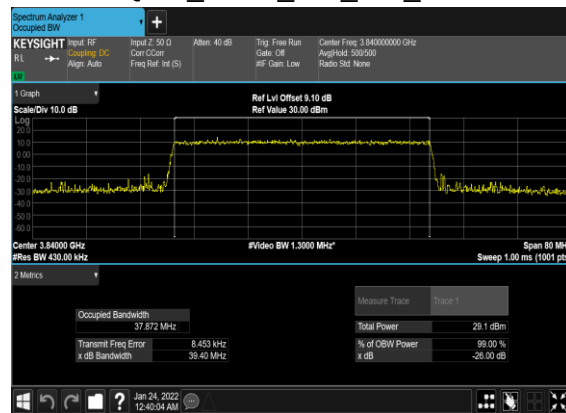
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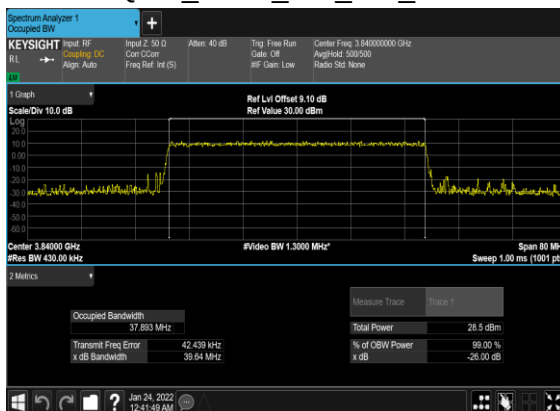
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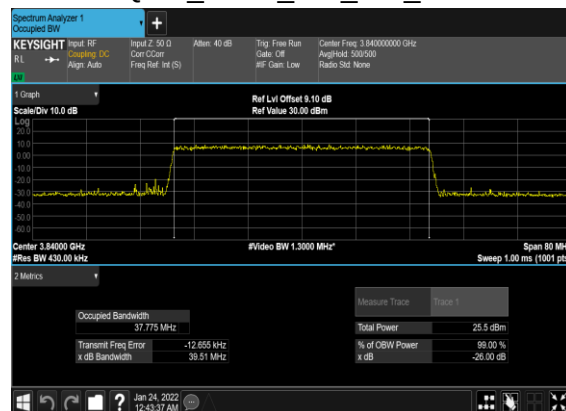
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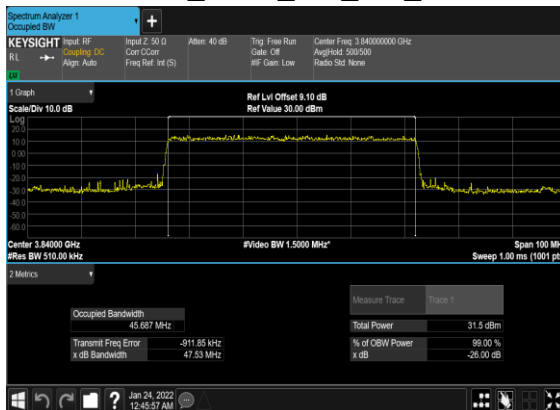
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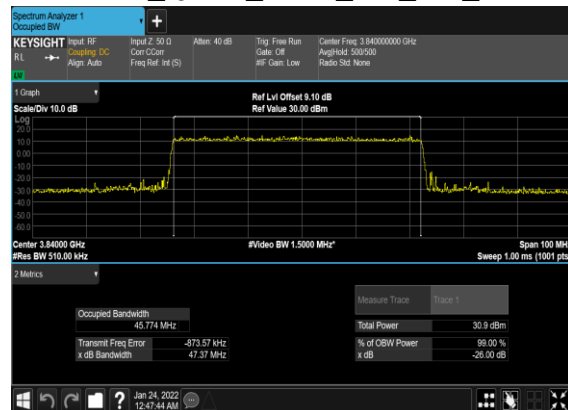
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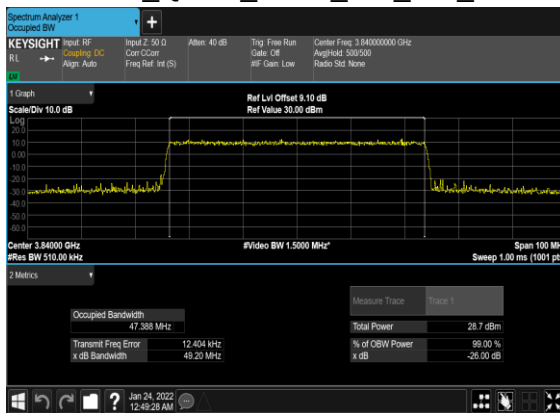
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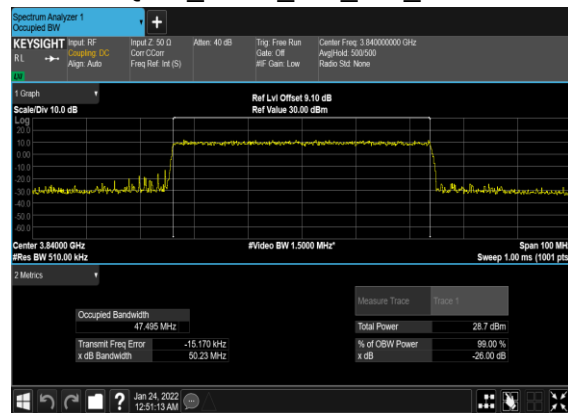
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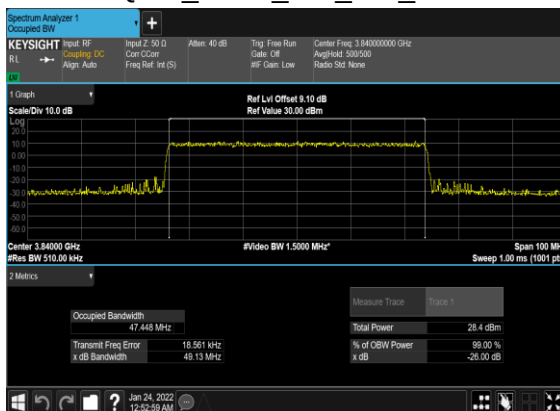
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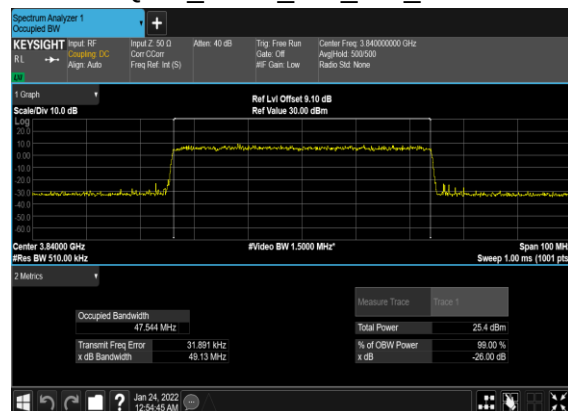
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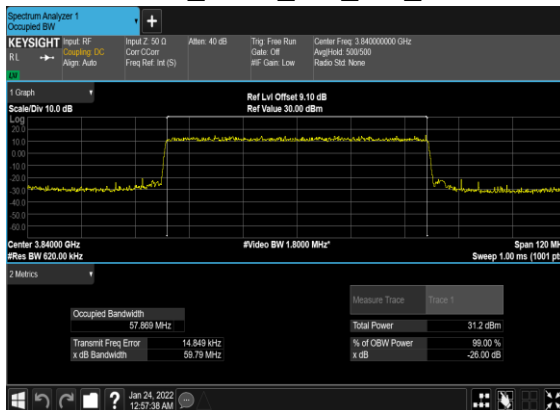
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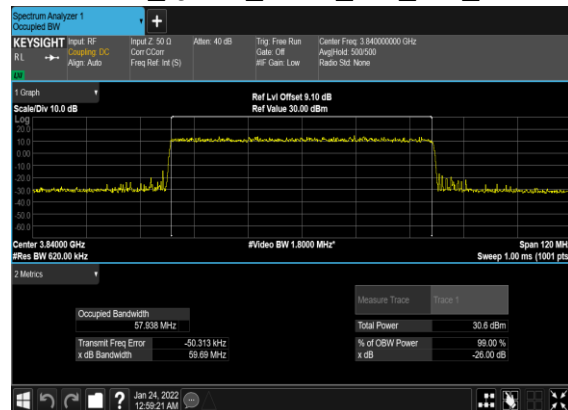
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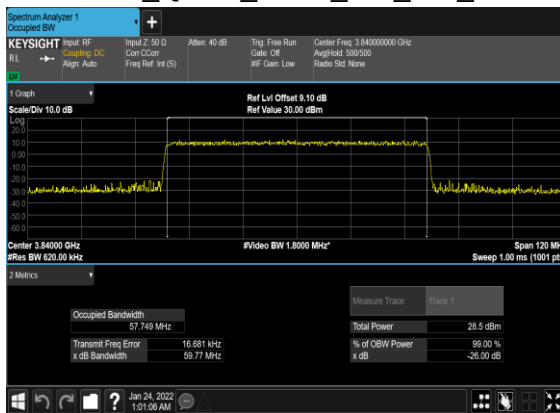
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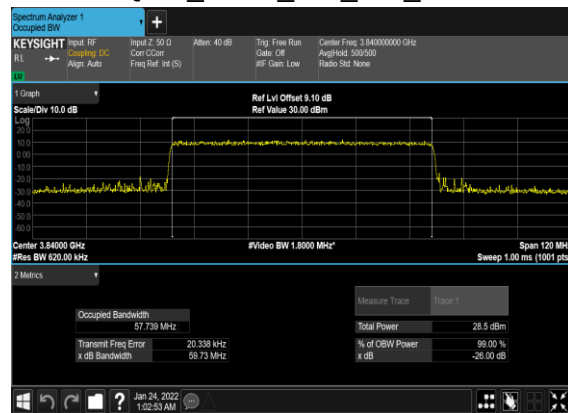
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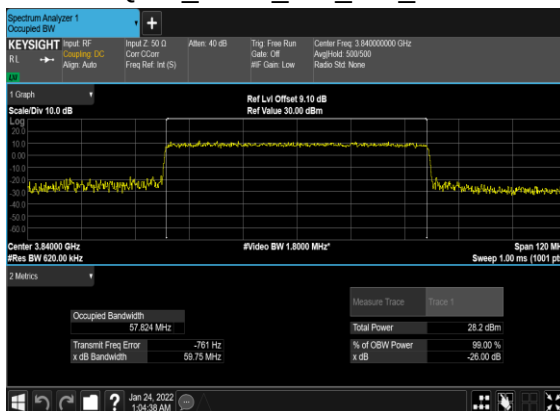
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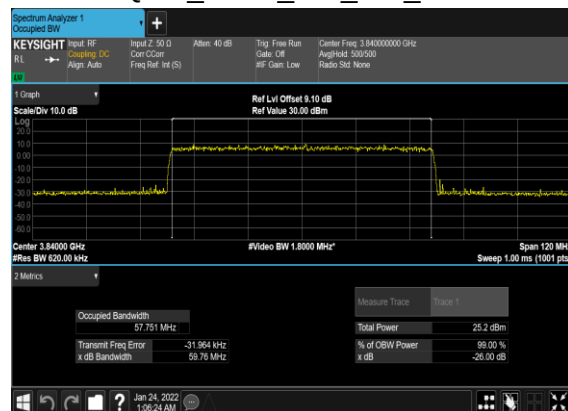
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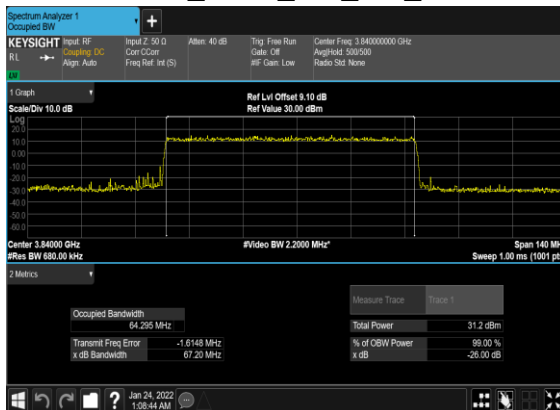


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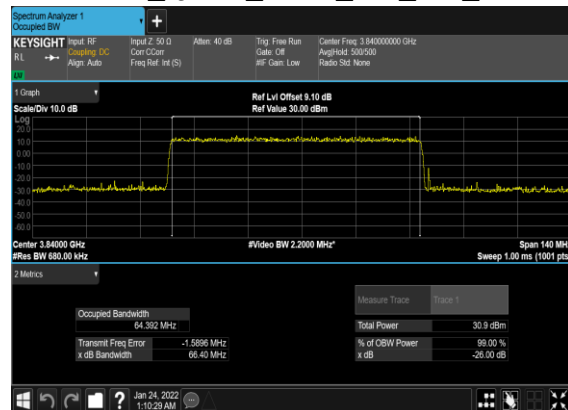




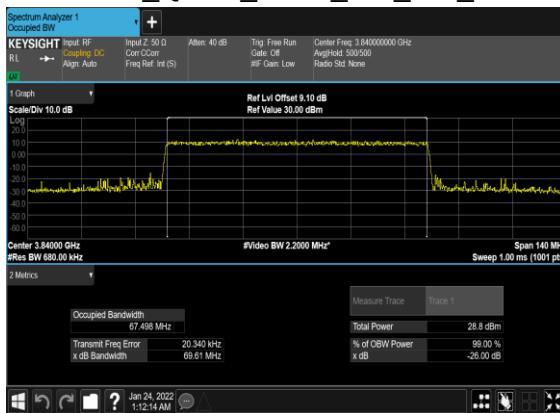
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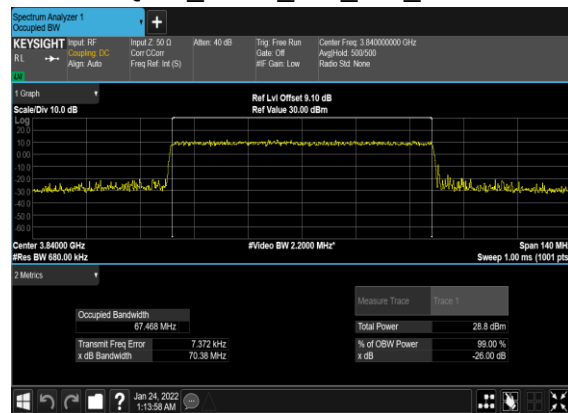
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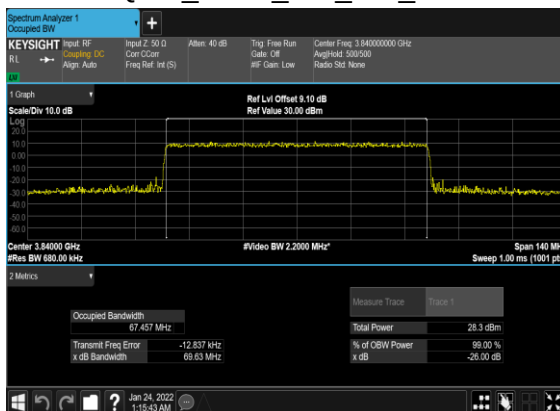
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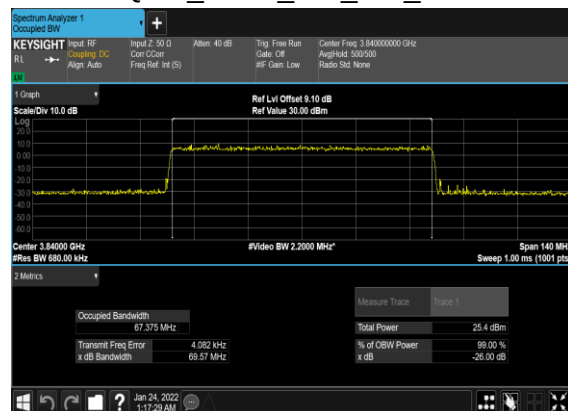
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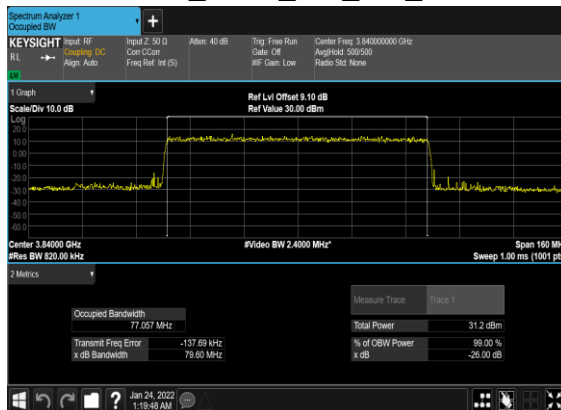
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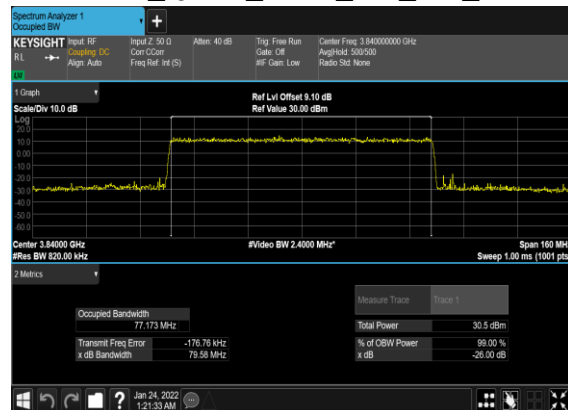
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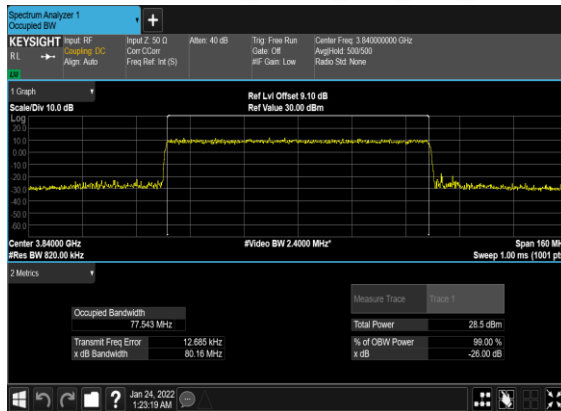
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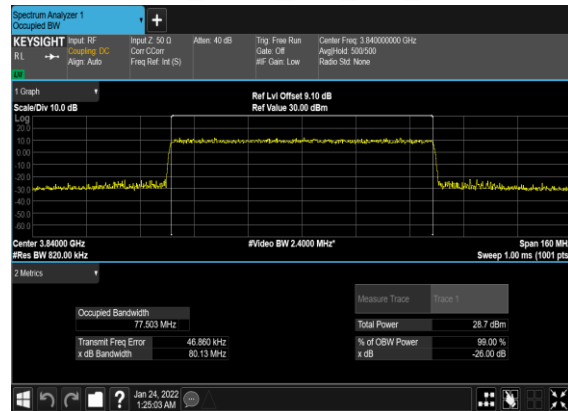
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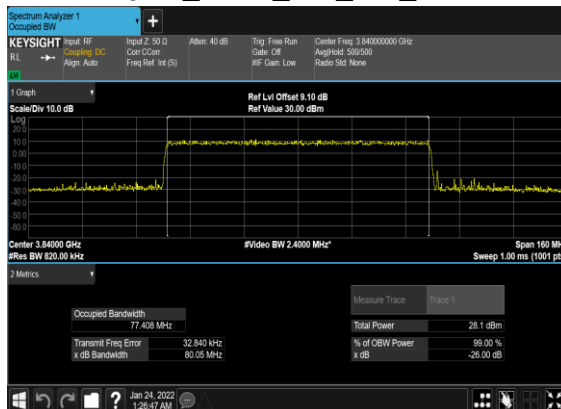
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N77(80M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N77(80M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

