



APPENDIX A – TEST DATA OF CONDUCTED EMISSION

66A_N41A(2496-2690)

1 RF Power Output

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.12 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.13 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.12 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.16 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.15 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.00 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.09 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.28 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.33 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.36 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 22.92 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 50 | 22.86 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.77 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.21 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.13 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.29 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.97 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.39 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.18 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.12 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.87 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.32 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 1 | 0 | 21.97 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 1 | 50 | 22.00 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 25 | 12 | 23.10 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 50 | 0 | 22.02 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 1 | 0 | 21.59 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 1 | 50 | 21.62 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 25 | 12 | 21.60 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 50 | 0 | 21.68 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 1 | 0 | 19.44 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 1 | 50 | 19.39 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 25 | 12 | 19.82 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 50 | 0 | 19.65 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 21.23 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 50 | 21.34 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 25 | 12 | 22.57 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 51 | 0 | 21.27 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 0 | 21.13 |



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|-------------------|---------|--------|----|----|----|-------|
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 50 | 21.35 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 25 | 12 | 22.16 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 51 | 0 | 21.14 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 0 | 20.40 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 50 | 20.45 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 25 | 12 | 21.18 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 51 | 0 | 20.75 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 0 | 17.65 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 50 | 17.73 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 25 | 12 | 18.07 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 51 | 0 | 18.04 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 0 | 22.25 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 50 | 22.41 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 25 | 12 | 23.30 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 50 | 0 | 22.28 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 0 | 21.63 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 50 | 21.75 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 25 | 12 | 21.90 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 50 | 0 | 21.97 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 0 | 19.66 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 50 | 19.79 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 25 | 12 | 19.98 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 50 | 0 | 19.99 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 21.46 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 50 | 21.62 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 25 | 12 | 22.93 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 51 | 0 | 21.51 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 0 | 21.33 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 50 | 21.54 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 25 | 12 | 22.58 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 51 | 0 | 21.50 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 0 | 20.59 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 50 | 20.83 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 25 | 12 | 21.09 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 51 | 0 | 21.03 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 0 | 17.91 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 50 | 18.11 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 25 | 12 | 18.30 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 51 | 0 | 18.30 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 0 | 22.31 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 50 | 22.17 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 25 | 12 | 23.19 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 50 | 0 | 22.21 |
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 0 | 21.61 |
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 50 | 21.53 |
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 25 | 12 | 21.71 |



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|-------------------|---------|--------|----|----|----|-------|
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 50 | 0 | 21.56 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 0 | 19.64 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 50 | 19.64 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 25 | 12 | 19.94 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 50 | 0 | 19.98 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 21.49 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 50 | 21.35 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 25 | 12 | 22.90 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 51 | 0 | 21.44 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 0 | 21.44 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 50 | 21.39 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 25 | 12 | 22.46 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 51 | 0 | 21.38 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 0 | 20.61 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 50 | 20.52 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 25 | 12 | 21.05 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 51 | 0 | 20.98 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 0 | 17.96 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 50 | 17.83 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 25 | 12 | 18.29 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 51 | 0 | 18.24 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 23.11 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 77 | 23.16 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 36 | 18 | 23.14 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 75 | 0 | 23.13 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 23.19 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 77 | 23.22 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 36 | 18 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 75 | 0 | 23.15 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 23.35 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 77 | 23.25 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 36 | 18 | 23.29 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 75 | 0 | 23.36 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 23.05 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 77 | 23.10 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 36 | 18 | 23.76 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 75 | 0 | 23.19 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 23.28 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 77 | 23.43 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 36 | 18 | 23.99 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 75 | 0 | 23.51 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 23.35 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 77 | 23.11 |



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|-------------------|---------|--------|----|----|----|-------|
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 36 | 18 | 23.78 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 75 | 0 | 23.25 |
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 1 | 0 | 22.18 |
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 1 | 77 | 22.23 |
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 36 | 18 | 23.06 |
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 75 | 0 | 22.25 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 1 | 0 | 21.45 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 1 | 77 | 21.54 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 36 | 18 | 21.65 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 75 | 0 | 21.78 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 1 | 0 | 19.45 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 1 | 77 | 19.69 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 36 | 18 | 20.01 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 75 | 0 | 19.77 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 21.25 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 77 | 21.36 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 39 | 19 | 22.48 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 78 | 0 | 21.32 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 0 | 21.27 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 77 | 21.30 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 39 | 19 | 22.24 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 78 | 0 | 21.26 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 0 | 20.53 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 77 | 20.65 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 39 | 19 | 20.92 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 78 | 0 | 21.11 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 0 | 17.84 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 77 | 17.90 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 39 | 19 | 18.04 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 78 | 0 | 18.20 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 0 | 22.40 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 77 | 22.55 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 36 | 18 | 23.27 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 75 | 0 | 22.10 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 0 | 21.76 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 77 | 21.89 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 36 | 18 | 21.95 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 75 | 0 | 21.96 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 0 | 19.68 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 77 | 19.96 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 36 | 18 | 20.03 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 75 | 0 | 20.07 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 21.50 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 77 | 21.76 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 39 | 19 | 22.95 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 78 | 0 | 21.52 |



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|-------------------|---------|--------|----|----|----|-------|
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 0 | 21.48 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 77 | 21.68 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 39 | 19 | 22.43 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 78 | 0 | 21.40 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 0 | 20.78 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 77 | 20.98 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 39 | 19 | 21.18 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 78 | 0 | 21.10 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 0 | 18.01 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 77 | 18.13 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 39 | 19 | 18.44 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 78 | 0 | 18.42 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 0 | 22.34 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 77 | 22.18 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 36 | 18 | 23.08 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 75 | 0 | 22.19 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 0 | 21.63 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 77 | 21.52 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 36 | 18 | 21.70 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 75 | 0 | 21.75 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 0 | 19.76 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 77 | 19.46 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 36 | 18 | 19.83 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 75 | 0 | 19.83 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 21.47 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 77 | 21.36 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 39 | 19 | 22.69 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 78 | 0 | 21.34 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 0 | 21.41 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 77 | 21.29 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 39 | 19 | 22.36 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 78 | 0 | 21.38 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 0 | 20.82 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 77 | 20.65 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 39 | 19 | 20.99 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 78 | 0 | 20.81 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 0 | 17.95 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 77 | 17.92 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 39 | 19 | 18.18 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 78 | 0 | 18.21 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.22 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.07 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.17 |



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|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.17 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 22.93 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.21 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.01 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.16 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.31 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.27 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.31 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.33 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 22.99 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.07 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.74 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.27 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.19 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.35 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.91 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.45 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.26 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 105 | 22.89 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.86 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.20 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 1 | 0 | 22.06 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 1 | 105 | 22.13 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 50 | 25 | 23.04 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 100 | 0 | 22.17 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 1 | 0 | 21.39 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 1 | 105 | 21.47 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 50 | 25 | 21.76 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 100 | 0 | 21.68 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 1 | 0 | 19.45 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 1 | 105 | 19.54 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 50 | 25 | 20.06 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 100 | 0 | 19.77 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 21.22 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 105 | 21.26 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 53 | 26 | 22.70 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 106 | 0 | 21.31 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 0 | 21.22 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 105 | 21.27 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 53 | 26 | 22.29 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 106 | 0 | 21.23 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 0 | 20.36 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 105 | 20.48 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 53 | 26 | 20.92 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 106 | 0 | 20.82 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 0 | 17.83 |



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|-------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 105 | 17.74 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 53 | 26 | 18.19 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 106 | 0 | 18.13 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 0 | 22.24 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 105 | 22.44 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 50 | 25 | 23.26 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 100 | 0 | 22.46 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 0 | 21.60 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 105 | 21.77 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 50 | 25 | 22.04 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 100 | 0 | 22.07 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 0 | 19.67 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 105 | 19.78 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 50 | 25 | 20.11 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 100 | 0 | 19.97 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 21.41 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 105 | 21.58 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 53 | 26 | 22.98 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 106 | 0 | 21.62 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 0 | 21.41 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 105 | 21.59 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 53 | 26 | 22.57 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 106 | 0 | 21.55 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 0 | 20.63 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 105 | 20.84 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 53 | 26 | 21.15 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 106 | 0 | 21.07 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 0 | 17.85 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 105 | 18.03 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 53 | 26 | 18.37 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 106 | 0 | 18.37 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 0 | 22.28 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 105 | 21.96 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 50 | 25 | 22.97 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 100 | 0 | 22.15 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 0 | 21.61 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 105 | 21.32 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 50 | 25 | 21.67 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 100 | 0 | 21.78 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 0 | 19.66 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 105 | 19.36 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 50 | 25 | 19.86 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 100 | 0 | 19.88 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 21.49 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 105 | 21.15 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 53 | 26 | 22.72 |



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|----------------|------|--------|----|-----|-----|-------|
| CP-OFDM QPSK | 2670 | 534000 | 40 | 106 | 0 | 21.43 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 0 | 21.36 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 105 | 21.04 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 53 | 26 | 22.22 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 106 | 0 | 21.21 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 0 | 20.62 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 105 | 20.24 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 53 | 26 | 20.84 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 106 | 0 | 20.85 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 0 | 17.93 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 105 | 17.83 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 53 | 26 | 18.39 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 106 | 0 | 18.16 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.15 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.15 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.17 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.17 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.26 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.12 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.19 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.30 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.34 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.26 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.36 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.31 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.18 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.27 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.84 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.41 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.40 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.49 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 64 | 32 | 24.12 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.65 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.37 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.19 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 64 | 32 | 24.09 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.46 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 1 | 0 | 22.32 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 1 | 132 | 22.41 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 64 | 32 | 23.28 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 128 | 0 | 22.32 |
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 1 | 0 | 21.64 |
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 1 | 132 | 21.86 |



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|-------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 64 | 32 | 21.96 |
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 128 | 0 | 21.94 |
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 1 | 0 | 19.68 |
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 1 | 132 | 19.69 |
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 64 | 32 | 19.92 |
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 128 | 0 | 20.02 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 21.41 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 132 | 21.57 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 67 | 33 | 22.86 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 133 | 0 | 21.35 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 0 | 21.44 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 132 | 21.56 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 67 | 33 | 22.47 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 133 | 0 | 21.38 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 0 | 20.74 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 132 | 20.82 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 67 | 33 | 21.08 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 133 | 0 | 20.92 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 0 | 17.90 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 132 | 18.07 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 67 | 33 | 18.39 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 133 | 0 | 18.27 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 0 | 22.35 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 132 | 22.60 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 64 | 32 | 23.49 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 128 | 0 | 22.53 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 0 | 21.74 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 132 | 21.90 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 64 | 32 | 22.05 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 128 | 0 | 22.06 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 0 | 19.86 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 132 | 20.04 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 64 | 32 | 20.13 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 128 | 0 | 20.16 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 21.59 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 132 | 21.74 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 67 | 33 | 23.68 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 133 | 0 | 21.59 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 0 | 21.60 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 132 | 21.70 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 67 | 33 | 22.56 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 133 | 0 | 21.54 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 0 | 20.64 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 132 | 21.04 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 67 | 33 | 21.16 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 133 | 0 | 21.18 |



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|-------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 0 | 18.09 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 132 | 18.18 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 67 | 33 | 18.43 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 18.76 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 0 | 22.39 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 132 | 22.40 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 64 | 32 | 23.43 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 128 | 0 | 22.40 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 0 | 21.76 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 132 | 21.66 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 64 | 32 | 21.95 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 128 | 0 | 21.93 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 0 | 19.90 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 132 | 19.66 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 64 | 32 | 20.29 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 128 | 0 | 19.99 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 21.55 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 132 | 21.37 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 67 | 33 | 22.88 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 133 | 0 | 21.43 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 0 | 21.56 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 132 | 21.52 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 67 | 33 | 22.46 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 133 | 0 | 21.49 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 0 | 20.77 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 132 | 20.93 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 67 | 33 | 21.17 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 133 | 0 | 20.99 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 0 | 18.12 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 132 | 18.13 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 67 | 33 | 18.44 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 18.33 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 23.18 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 161 | 23.16 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 81 | 40 | 23.12 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 162 | 0 | 23.13 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 23.16 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 161 | 23.15 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 81 | 40 | 22.92 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 162 | 0 | 23.17 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 23.32 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 161 | 23.23 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 81 | 40 | 23.31 |



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|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 162 | 0 | 23.32 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 23.08 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 161 | 23.26 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 81 | 40 | 23.62 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 23.26 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 23.08 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 161 | 23.27 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 81 | 40 | 23.78 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 23.31 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 23.21 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 161 | 22.94 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 81 | 40 | 23.63 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 23.19 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 1 | 0 | 22.18 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 1 | 161 | 22.26 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 81 | 40 | 23.06 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 162 | 0 | 22.17 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 1 | 0 | 21.56 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 1 | 161 | 21.71 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 81 | 40 | 21.63 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 162 | 0 | 21.75 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 1 | 0 | 19.55 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 1 | 161 | 19.66 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 81 | 40 | 19.72 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 162 | 0 | 19.77 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 21.41 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 161 | 21.47 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 81 | 40 | 22.63 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 162 | 0 | 21.23 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 0 | 21.23 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 161 | 21.39 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 81 | 40 | 22.22 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 21.17 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 0 | 20.46 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 161 | 20.75 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 81 | 40 | 20.53 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 162 | 0 | 20.81 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 0 | 17.90 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 161 | 17.97 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 81 | 40 | 18.07 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 18.20 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 0 | 22.18 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 161 | 22.29 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 81 | 40 | 23.16 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 22.27 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 0 | 21.64 |



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|-------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 161 | 21.67 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 81 | 40 | 21.85 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 162 | 0 | 21.81 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 0 | 19.60 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 161 | 19.79 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 81 | 40 | 19.85 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 19.98 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 21.36 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 161 | 21.56 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 81 | 40 | 22.72 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 162 | 0 | 21.32 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 0 | 21.29 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 161 | 21.39 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 81 | 40 | 22.30 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 21.37 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 0 | 20.55 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 161 | 20.86 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 81 | 40 | 20.97 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 20.92 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 0 | 17.95 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 161 | 18.09 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 81 | 40 | 18.20 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 18.22 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 0 | 22.36 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 161 | 22.06 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 81 | 40 | 23.18 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 162 | 0 | 22.14 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 0 | 21.65 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 161 | 21.36 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 81 | 40 | 21.69 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 21.66 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 0 | 19.67 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 161 | 19.43 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 81 | 40 | 19.90 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 19.77 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 21.50 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 161 | 21.24 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 81 | 40 | 22.58 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 162 | 0 | 21.19 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 0 | 21.44 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 161 | 21.24 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 81 | 40 | 22.18 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 162 | 0 | 21.27 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 0 | 20.76 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 161 | 20.39 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 81 | 40 | 20.68 |



| | | | | | | |
|----------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 20.78 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 0 | 17.91 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 161 | 17.81 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 81 | 40 | 18.16 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 18.21 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.21 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.18 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.19 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 22.99 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.16 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.14 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.01 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.31 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.31 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.37 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.35 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.16 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.42 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.70 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.27 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.40 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.56 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 90 | 45 | 24.12 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.45 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.52 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 188 | 22.86 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.88 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.43 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 1 | 0 | 22.61 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 1 | 188 | 22.57 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 90 | 45 | 22.82 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 180 | 0 | 22.43 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 1 | 0 | 21.66 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 1 | 188 | 21.74 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 90 | 45 | 21.78 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 180 | 0 | 22.01 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 1 | 0 | 19.49 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 1 | 188 | 19.88 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 90 | 45 | 19.76 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 180 | 0 | 18.99 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 22.07 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 188 | 21.97 |



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|-------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 95 | 47 | 21.82 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 189 | 0 | 21.96 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 0 | 22.01 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 188 | 21.54 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 95 | 47 | 20.98 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 189 | 0 | 21.37 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 0 | 20.44 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 188 | 20.88 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 95 | 47 | 20.98 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 189 | 0 | 21.02 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 0 | 18.23 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 188 | 17.92 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 95 | 47 | 17.86 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 189 | 0 | 18.19 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 0 | 22.28 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 188 | 22.69 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 90 | 45 | 23.44 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 180 | 0 | 22.56 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 0 | 21.70 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 188 | 21.94 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 90 | 45 | 22.11 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 180 | 0 | 22.08 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 0 | 19.65 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 188 | 19.97 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 90 | 45 | 20.04 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 180 | 0 | 19.91 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 21.51 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 188 | 21.52 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 95 | 47 | 23.03 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 189 | 0 | 21.33 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 0 | 21.28 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 188 | 21.52 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 95 | 47 | 22.45 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 189 | 0 | 21.49 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 0 | 20.77 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 188 | 21.02 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 95 | 47 | 21.02 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 189 | 0 | 21.15 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 0 | 17.93 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 188 | 18.05 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 95 | 47 | 18.64 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 189 | 0 | 18.49 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 0 | 22.58 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 188 | 22.18 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 90 | 45 | 23.55 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 180 | 0 | 22.63 |



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|-------------------|------|--------|----|-----|-----|-------|
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 0 | 21.82 |
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 188 | 21.49 |
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 90 | 45 | 21.85 |
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 180 | 0 | 22.05 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 0 | 19.78 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 188 | 19.51 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 90 | 45 | 19.87 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 180 | 0 | 20.13 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 21.59 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 188 | 21.15 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 95 | 47 | 22.66 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 189 | 0 | 21.41 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 0 | 21.38 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 188 | 21.13 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 95 | 47 | 22.39 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 189 | 0 | 21.38 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 0 | 21.04 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 188 | 20.44 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 95 | 47 | 20.86 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 189 | 0 | 21.01 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 0 | 18.50 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 188 | 17.73 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 95 | 47 | 18.42 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 189 | 0 | 18.20 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.30 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.10 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.10 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.13 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.31 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.22 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.19 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.30 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.31 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.36 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.33 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.39 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.20 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.73 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.19 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.49 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.57 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.99 |



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|-------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.34 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.40 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.14 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.81 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.31 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 1 | 0 | 22.07 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 1 | 216 | 22.22 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 108 | 54 | 23.15 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 216 | 0 | 22.33 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 1 | 0 | 21.59 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 1 | 216 | 21.77 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 108 | 54 | 21.63 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 216 | 0 | 21.75 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 1 | 0 | 19.69 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 1 | 216 | 19.72 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 108 | 54 | 19.83 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 216 | 0 | 20.11 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 21.23 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 216 | 21.48 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 109 | 54 | 22.85 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 217 | 0 | 21.42 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 0 | 21.25 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 216 | 21.30 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 109 | 54 | 22.19 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 217 | 0 | 21.31 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 0 | 20.59 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 216 | 20.47 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 109 | 54 | 20.70 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 217 | 0 | 20.97 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 0 | 17.91 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 216 | 17.87 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 109 | 54 | 18.03 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 217 | 0 | 18.17 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 0 | 22.46 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 216 | 22.29 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 108 | 54 | 23.50 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 216 | 0 | 22.58 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 0 | 21.76 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 216 | 21.77 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 108 | 54 | 22.10 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 216 | 0 | 22.10 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 0 | 19.74 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 216 | 19.83 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 108 | 54 | 19.99 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 216 | 0 | 20.13 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 21.31 |



| | | | | | | |
|-------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 216 | 21.58 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 109 | 54 | 22.99 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 217 | 0 | 21.32 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 0 | 21.38 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 216 | 21.55 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 109 | 54 | 22.45 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 217 | 0 | 21.68 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 0 | 20.57 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 216 | 20.86 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 109 | 54 | 20.96 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 217 | 0 | 20.92 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 0 | 18.10 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 216 | 18.16 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 109 | 54 | 18.31 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 18.44 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 0 | 22.51 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 216 | 22.06 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 108 | 54 | 23.51 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 216 | 0 | 22.34 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 0 | 21.71 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 216 | 21.60 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 108 | 54 | 22.01 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 216 | 0 | 21.93 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 0 | 19.92 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 216 | 19.62 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 108 | 54 | 19.89 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 216 | 0 | 19.85 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 21.47 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 216 | 21.09 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 109 | 54 | 22.92 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 217 | 0 | 21.35 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 0 | 21.37 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 216 | 21.00 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 109 | 54 | 22.26 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 217 | 0 | 21.42 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 0 | 20.72 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 216 | 20.41 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 109 | 54 | 21.01 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 217 | 0 | 20.98 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 0 | 18.23 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 216 | 17.85 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 109 | 54 | 18.59 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 18.41 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----------|---------|-----------|-----------------------|
|------------|-------------------------|------------|----------|---------|-----------|-----------------------|



| | | | | | | |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 23.12 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 244 | 23.16 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 120 | 60 | 23.22 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 243 | 0 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 22.97 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 244 | 23.15 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 120 | 60 | 23.14 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 243 | 0 | 23.17 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 23.34 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 244 | 23.34 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 120 | 60 | 23.33 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 243 | 0 | 23.34 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 23.40 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 244 | 23.35 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 120 | 60 | 23.85 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 243 | 0 | 23.54 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 23.40 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 244 | 23.65 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 120 | 60 | 24.00 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 243 | 0 | 23.41 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 23.55 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 244 | 23.31 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 120 | 60 | 23.94 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 243 | 0 | 23.29 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 1 | 0 | 22.27 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 1 | 244 | 22.56 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 120 | 60 | 23.24 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 243 | 0 | 22.47 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 1 | 0 | 21.50 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 1 | 244 | 21.85 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 120 | 60 | 22.04 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 243 | 0 | 21.79 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 1 | 0 | 19.67 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 1 | 244 | 19.82 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 120 | 60 | 20.06 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 243 | 0 | 20.03 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 21.54 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 244 | 21.42 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 123 | 61 | 22.92 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 245 | 0 | 21.44 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.47 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 244 | 21.58 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 123 | 61 | 22.29 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 245 | 0 | 21.55 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.08 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 244 | 20.86 |



| | | | | | | |
|-------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 123 | 61 | 20.76 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 245 | 0 | 20.91 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 0 | 18.04 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 244 | 18.19 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 123 | 61 | 18.26 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 245 | 0 | 18.42 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 0 | 22.57 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 244 | 22.69 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 120 | 60 | 23.33 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 243 | 0 | 22.53 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.86 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 244 | 21.84 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 120 | 60 | 21.96 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 243 | 0 | 22.12 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 0 | 19.82 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 244 | 19.85 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 120 | 60 | 20.05 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 243 | 0 | 19.95 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 21.60 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 244 | 21.66 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 123 | 61 | 22.88 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 245 | 0 | 21.51 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.56 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 244 | 21.73 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 123 | 61 | 22.31 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 245 | 0 | 21.40 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 0 | 20.70 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 244 | 21.05 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 123 | 61 | 20.94 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 245 | 0 | 20.96 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 0 | 18.40 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 244 | 18.28 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 123 | 61 | 18.56 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 245 | 0 | 18.52 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 0 | 22.42 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 244 | 22.17 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 120 | 60 | 23.32 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 243 | 0 | 22.50 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 0 | 21.79 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 244 | 21.43 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 120 | 60 | 21.96 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 243 | 0 | 22.02 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 0 | 19.96 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 244 | 19.63 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 120 | 60 | 19.92 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 243 | 0 | 20.21 |



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|----------------|---------|--------|----|-----|-----|-------|
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 21.68 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 244 | 21.38 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 123 | 61 | 22.96 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 245 | 0 | 21.43 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 0 | 21.47 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 244 | 21.21 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 123 | 61 | 22.28 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 245 | 0 | 21.34 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 0 | 20.77 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 244 | 20.46 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 123 | 61 | 21.07 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 245 | 0 | 20.86 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 0 | 18.42 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 244 | 18.29 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 123 | 61 | 18.51 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 245 | 0 | 18.51 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.25 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.14 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.13 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.20 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.34 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.12 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.27 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.10 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.30 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.33 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.32 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.32 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.63 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.75 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.33 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.40 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.54 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.82 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.59 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.44 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.17 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.74 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.44 |
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 1 | 0 | 22.48 |
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 1 | 272 | 22.54 |
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 135 | 67 | 22.39 |



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|-------------------|---------|--------|-----|-----|-----|-------|
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 270 | 0 | 22.46 |
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 1 | 0 | 21.59 |
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 1 | 272 | 21.72 |
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 135 | 67 | 21.67 |
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 270 | 0 | 21.48 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 1 | 0 | 19.92 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 1 | 272 | 20.05 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 135 | 67 | 19.99 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 270 | 0 | 20.31 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 21.37 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 272 | 21.44 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 137 | 68 | 22.65 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 273 | 0 | 21.42 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 0 | 21.55 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.72 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 137 | 68 | 22.29 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 273 | 0 | 21.40 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 0 | 20.88 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.06 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 137 | 68 | 20.99 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 273 | 0 | 21.13 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 0 | 17.87 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 272 | 18.23 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 137 | 68 | 18.30 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 273 | 0 | 18.54 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 0 | 22.40 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 272 | 22.77 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 135 | 67 | 23.58 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 270 | 0 | 22.41 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 0 | 21.90 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.83 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 135 | 67 | 22.03 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 270 | 0 | 21.93 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 0 | 19.88 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 272 | 19.93 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 135 | 67 | 20.00 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 270 | 0 | 20.13 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 21.34 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 272 | 21.58 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 137 | 68 | 22.90 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 273 | 0 | 21.62 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 0 | 21.68 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.64 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 137 | 68 | 22.48 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 273 | 0 | 21.61 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 0 | 20.74 |



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|-------------------|------|--------|-----|-----|-----|-------|
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 272 | 21.08 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 137 | 68 | 21.04 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 273 | 0 | 20.95 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 0 | 18.21 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 272 | 18.22 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 137 | 68 | 18.47 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 273 | 0 | 18.33 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 0 | 22.30 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 272 | 22.17 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 135 | 67 | 23.30 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 270 | 0 | 22.58 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 0 | 21.75 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 272 | 21.68 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 135 | 67 | 21.92 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 270 | 0 | 22.07 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 0 | 19.96 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 272 | 19.63 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 135 | 67 | 20.23 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 270 | 0 | 20.17 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 21.73 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 272 | 21.39 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 137 | 68 | 22.91 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 273 | 0 | 21.57 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 0 | 21.53 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 272 | 21.28 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 137 | 68 | 22.51 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 273 | 0 | 21.56 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 0 | 20.84 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 272 | 20.56 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 137 | 68 | 21.06 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 273 | 0 | 21.08 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 0 | 18.60 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 272 | 18.40 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 137 | 68 | 18.49 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 273 | 0 | 18.46 |



2 Occupied Bandwidth

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | |
|----------------|-------------------------|------------|----------|---------|-----------|------------------------------|--------|
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 51 | 0 | 18.250 | Fig.1 |
| CP-OFDM 16QAM | 2506.02 | 501204 | 20 | 51 | 0 | 18.260 | Fig.2 |
| CP-OFDM 64QAM | 2506.02 | 501204 | 20 | 51 | 0 | 18.240 | Fig.3 |
| CP-OFDM 256QAM | 2506.02 | 501204 | 20 | 51 | 0 | 18.210 | Fig.4 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 51 | 0 | 18.270 | Fig.5 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 51 | 0 | 18.270 | Fig.6 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 51 | 0 | 18.260 | Fig.7 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 51 | 0 | 18.270 | Fig.8 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 51 | 0 | 18.260 | Fig.9 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 51 | 0 | 18.260 | Fig.10 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 51 | 0 | 18.260 | Fig.11 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 51 | 0 | 18.240 | Fig.12 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 78 | 0 | 27.900 | Fig.13 |
| CP-OFDM 16QAM | 2511 | 502200 | 30 | 78 | 0 | 27.810 | Fig.14 |
| CP-OFDM 64QAM | 2511 | 502200 | 30 | 78 | 0 | 27.900 | Fig.15 |
| CP-OFDM 256QAM | 2511 | 502200 | 30 | 78 | 0 | 27.890 | Fig.16 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 78 | 0 | 27.890 | Fig.17 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 78 | 0 | 27.840 | Fig.18 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 78 | 0 | 27.880 | Fig.19 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 78 | 0 | 27.900 | Fig.20 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 78 | 0 | 27.870 | Fig.21 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 78 | 0 | 27.890 | Fig.22 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 78 | 0 | 27.910 | Fig.23 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 78 | 0 | 27.880 | Fig.24 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 106 | 0 | 38.250 | Fig.25 |
| CP-OFDM 16QAM | 2516.01 | 503202 | 40 | 106 | 0 | 38.290 | Fig.26 |
| CP-OFDM 64QAM | 2516.01 | 503202 | 40 | 106 | 0 | 38.160 | Fig.27 |
| CP-OFDM 256QAM | 2516.01 | 503202 | 40 | 106 | 0 | 38.280 | Fig.28 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 106 | 0 | 38.190 | Fig.29 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 106 | 0 | 38.260 | Fig.30 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 106 | 0 | 38.180 | Fig.31 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 106 | 0 | 38.290 | Fig.32 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 106 | 0 | 38.270 | Fig.33 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 106 | 0 | 38.340 | Fig.34 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 106 | 0 | 38.210 | Fig.35 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 106 | 0 | 38.200 | Fig.36 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 133 | 0 | 47.760 | Fig.37 |
| CP-OFDM 16QAM | 2521.02 | 504204 | 50 | 133 | 0 | 47.780 | Fig.38 |
| CP-OFDM 64QAM | 2521.02 | 504204 | 50 | 133 | 0 | 47.690 | Fig.39 |
| CP-OFDM 256QAM | 2521.02 | 504204 | 50 | 133 | 0 | 47.760 | Fig.40 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 133 | 0 | 47.700 | Fig.41 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 133 | 0 | 47.830 | Fig.42 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 133 | 0 | 47.780 | Fig.43 |



| | | | | | | | |
|----------------|---------|--------|----|-----|---|--------|--------|
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 133 | 0 | 47.700 | Fig.44 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 133 | 0 | 47.720 | Fig.45 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 133 | 0 | 47.770 | Fig.46 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 133 | 0 | 47.720 | Fig.47 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 47.730 | Fig.48 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 58.000 | Fig.49 |
| CP-OFDM 16QAM | 2526 | 505200 | 60 | 162 | 0 | 57.980 | Fig.50 |
| CP-OFDM 64QAM | 2526 | 505200 | 60 | 162 | 0 | 58.030 | Fig.51 |
| CP-OFDM 256QAM | 2526 | 505200 | 60 | 162 | 0 | 58.000 | Fig.52 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 162 | 0 | 57.960 | Fig.53 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 57.960 | Fig.54 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 162 | 0 | 57.990 | Fig.55 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 57.940 | Fig.56 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 162 | 0 | 58.020 | Fig.57 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 162 | 0 | 58.040 | Fig.58 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 58.030 | Fig.59 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 57.970 | Fig.60 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 189 | 0 | 67.700 | Fig.61 |
| CP-OFDM 16QAM | 2531.01 | 506202 | 70 | 189 | 0 | 67.650 | Fig.62 |
| CP-OFDM 64QAM | 2531.01 | 506202 | 70 | 189 | 0 | 67.660 | Fig.63 |
| CP-OFDM 256QAM | 2531.01 | 506202 | 70 | 189 | 0 | 67.720 | Fig.64 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 189 | 0 | 67.490 | Fig.65 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 189 | 0 | 67.500 | Fig.66 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 189 | 0 | 67.530 | Fig.67 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 189 | 0 | 67.540 | Fig.68 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 189 | 0 | 67.580 | Fig.69 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 189 | 0 | 67.580 | Fig.70 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 189 | 0 | 67.570 | Fig.71 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 189 | 0 | 67.710 | Fig.72 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 217 | 0 | 77.700 | Fig.73 |
| CP-OFDM 16QAM | 2536.02 | 507204 | 80 | 217 | 0 | 77.570 | Fig.74 |
| CP-OFDM 64QAM | 2536.02 | 507204 | 80 | 217 | 0 | 77.690 | Fig.75 |
| CP-OFDM 256QAM | 2536.02 | 507204 | 80 | 217 | 0 | 77.610 | Fig.76 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 217 | 0 | 77.390 | Fig.77 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 217 | 0 | 77.470 | Fig.78 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 217 | 0 | 77.480 | Fig.79 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 217 | 0 | 77.360 | Fig.80 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 217 | 0 | 77.570 | Fig.81 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 217 | 0 | 77.600 | Fig.82 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 217 | 0 | 77.780 | Fig.83 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 77.580 | Fig.84 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 245 | 0 | 87.610 | Fig.85 |
| CP-OFDM 16QAM | 2541 | 508200 | 90 | 245 | 0 | 87.580 | Fig.86 |
| CP-OFDM 64QAM | 2541 | 508200 | 90 | 245 | 0 | 87.600 | Fig.87 |
| CP-OFDM 256QAM | 2541 | 508200 | 90 | 245 | 0 | 87.670 | Fig.88 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 245 | 0 | 87.340 | Fig.89 |

| | | | | | | | |
|----------------|---------|--------|-----|-----|---|--------|---------|
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 245 | 0 | 87.410 | Fig.90 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 245 | 0 | 87.320 | Fig.91 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 245 | 0 | 87.410 | Fig.92 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 245 | 0 | 87.550 | Fig.93 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 245 | 0 | 87.490 | Fig.94 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 245 | 0 | 87.540 | Fig.95 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 245 | 0 | 87.600 | Fig.96 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 273 | 0 | 97.560 | Fig.97 |
| CP-OFDM 16QAM | 2546.01 | 509202 | 100 | 273 | 0 | 97.470 | Fig.98 |
| CP-OFDM 64QAM | 2546.01 | 509202 | 100 | 273 | 0 | 97.540 | Fig.99 |
| CP-OFDM 256QAM | 2546.01 | 509202 | 100 | 273 | 0 | 97.530 | Fig.100 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 273 | 0 | 97.290 | Fig.101 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 273 | 0 | 97.420 | Fig.102 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 273 | 0 | 97.280 | Fig.103 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 273 | 0 | 97.270 | Fig.104 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 273 | 0 | 97.360 | Fig.105 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 273 | 0 | 97.530 | Fig.106 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 273 | 0 | 97.480 | Fig.107 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 273 | 0 | 97.420 | Fig.108 |

Test Plot:

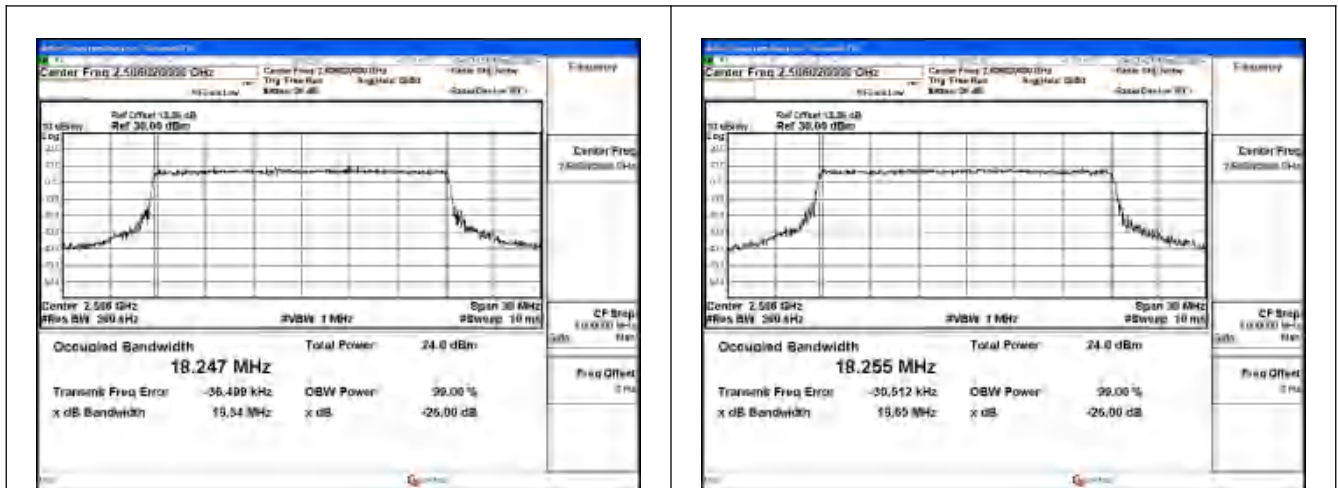


Fig.1

Fig.2

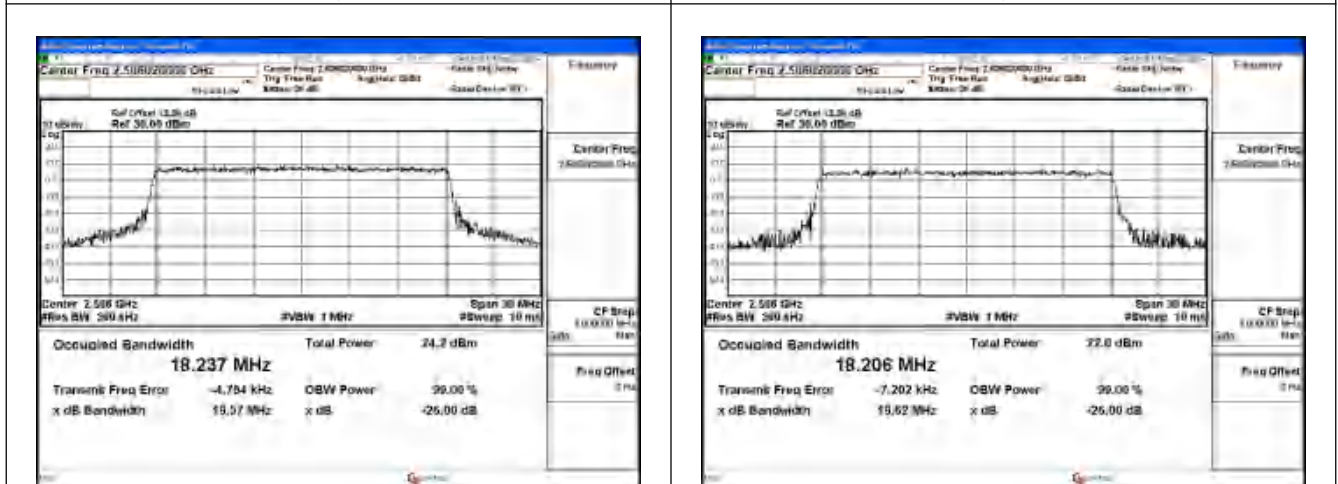


Fig.3

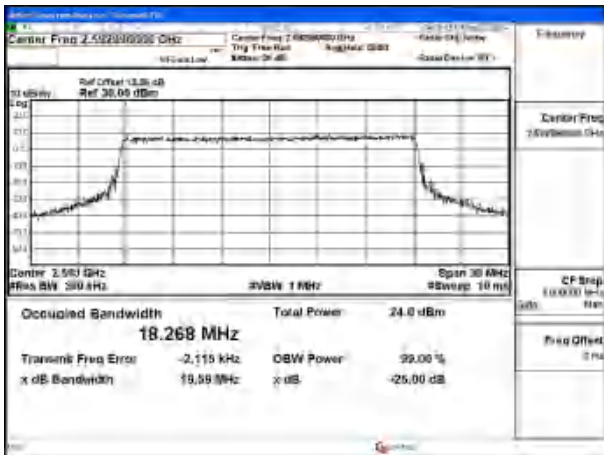


Fig.4



Fig.5

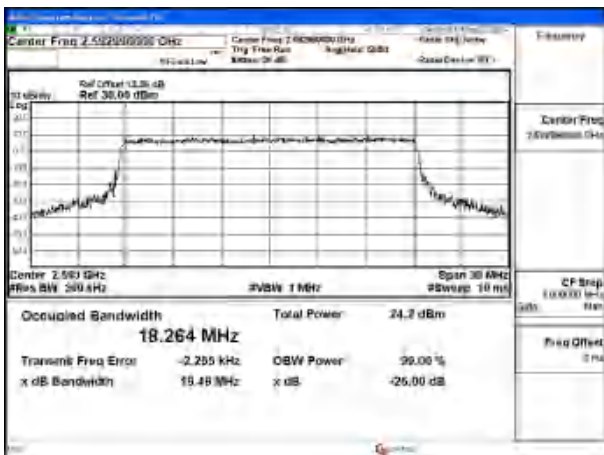


Fig.6

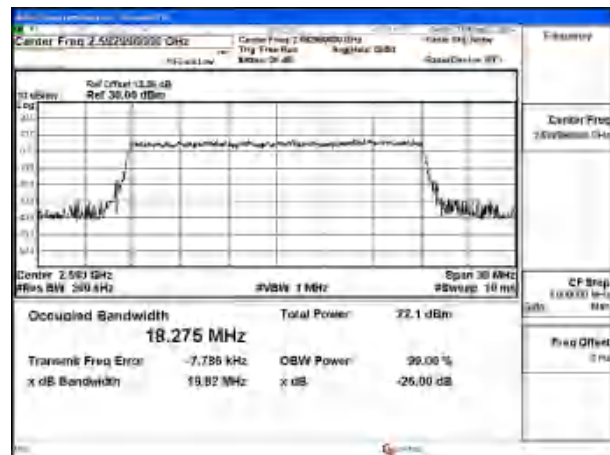


Fig.7

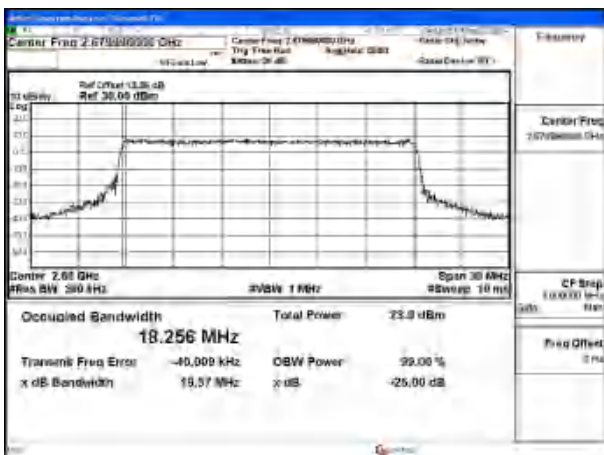


Fig.8



Fig.9

Fig.10



Fig.11

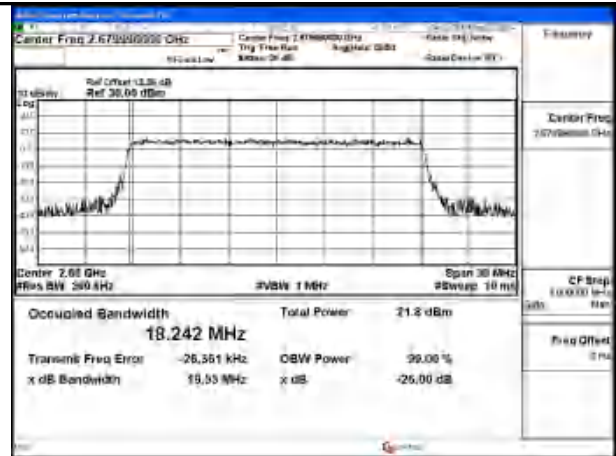


Fig.12



Fig.13



Fig.14



Fig.15

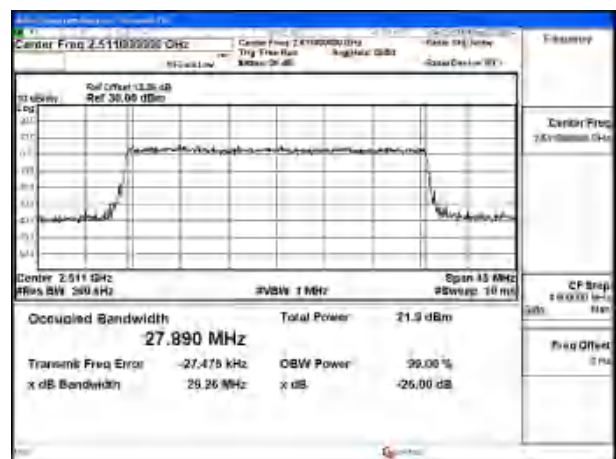


Fig.16



Fig.17

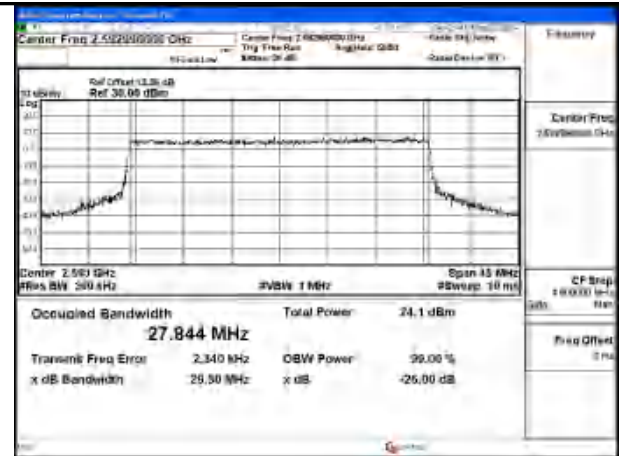


Fig.18



Fig.19

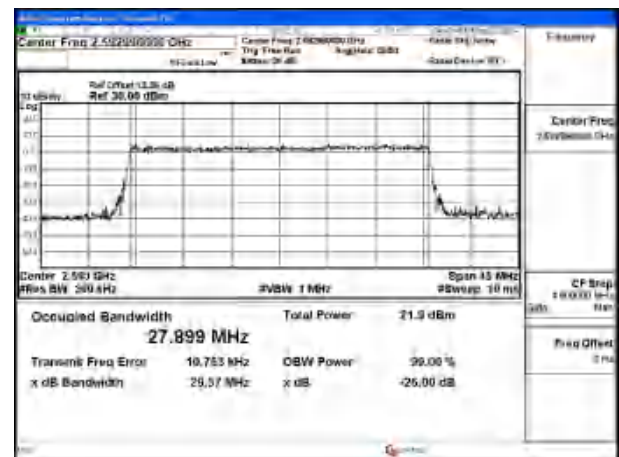


Fig.20



Fig.21

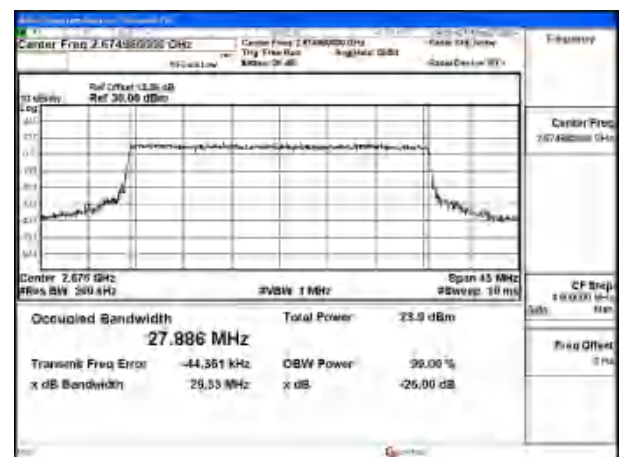


Fig.22



Fig.23

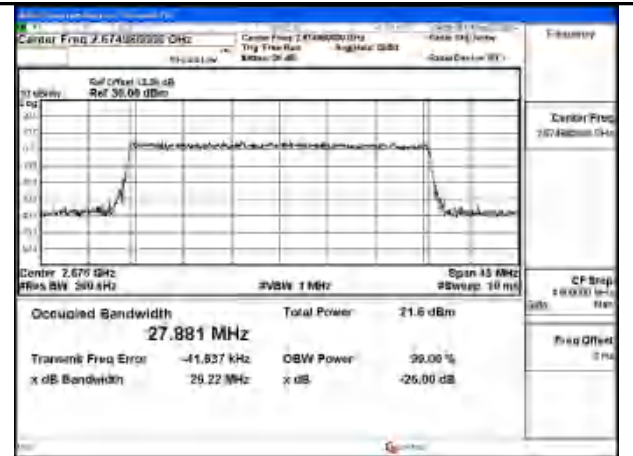


Fig.24



Fig.25



Fig.26



Fig.27



Fig.28



Fig.29

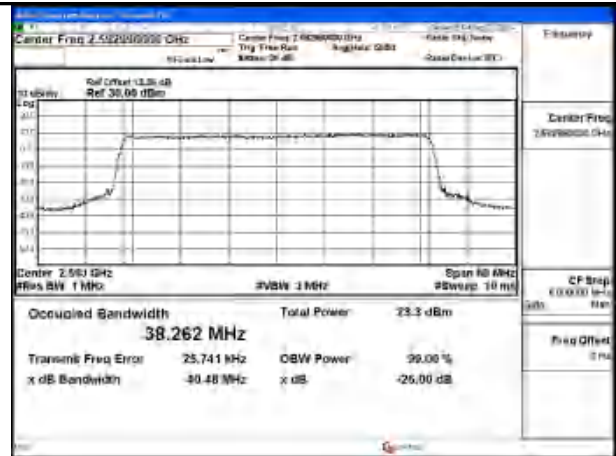


Fig.30



Fig.31

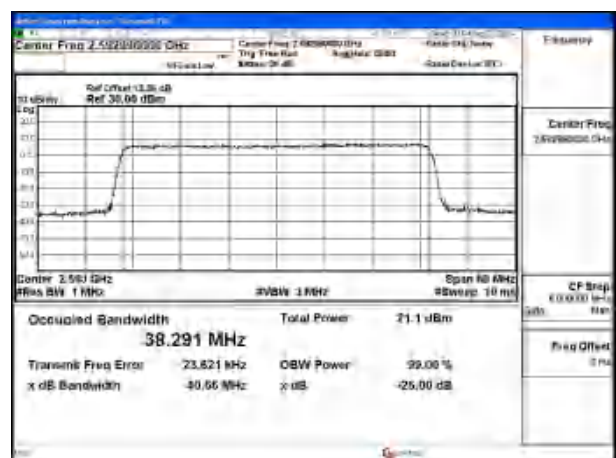


Fig.32



Fig.33

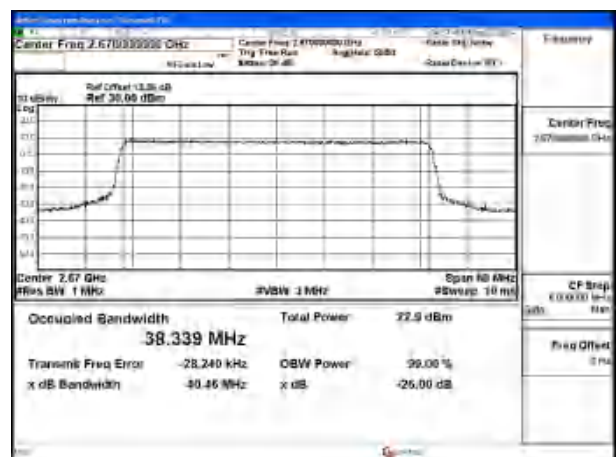


Fig.34



Fig.35



Fig.36



Fig.37

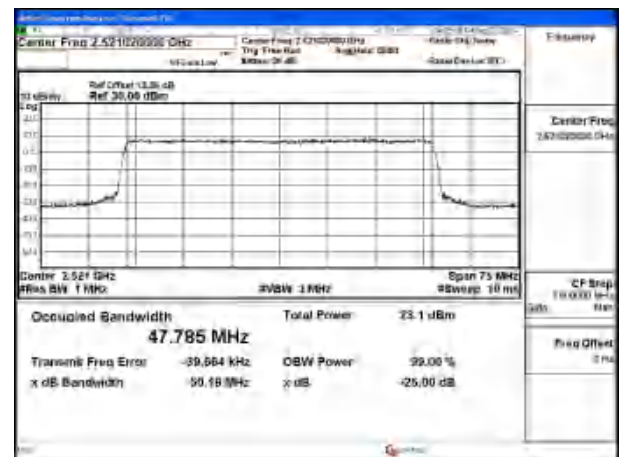


Fig.38



Fig.39



Fig.40



Fig.41

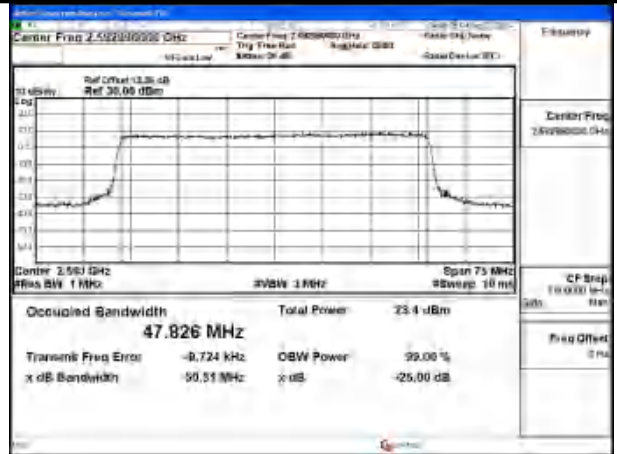


Fig.42



Fig.43

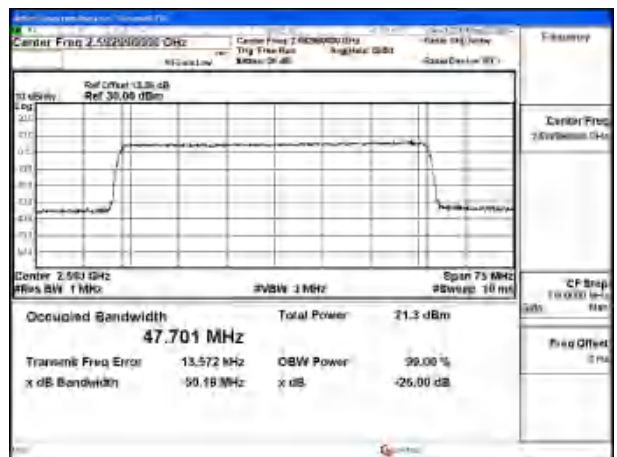


Fig.44



Fig.45



Fig.46



Fig.47



Fig.48

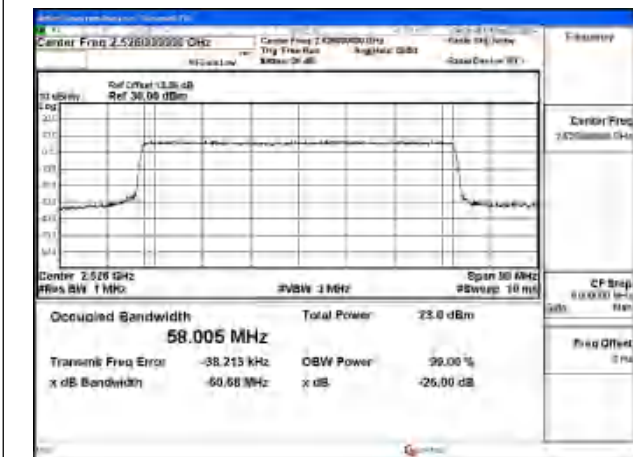


Fig.49

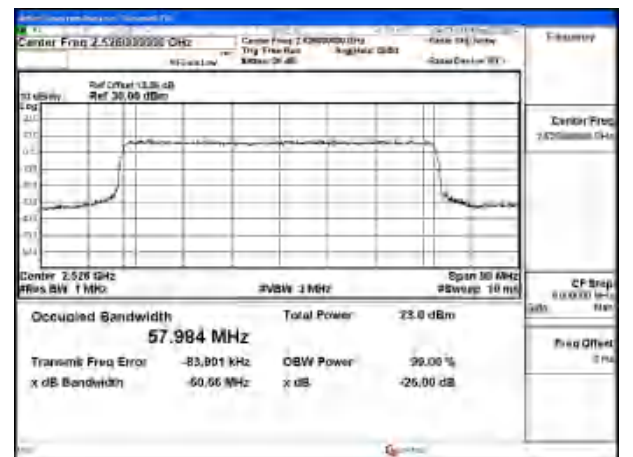


Fig.50



Fig.51

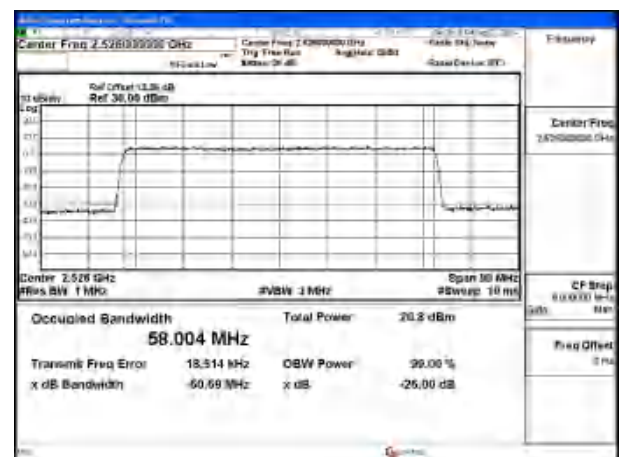


Fig.52



Fig.53

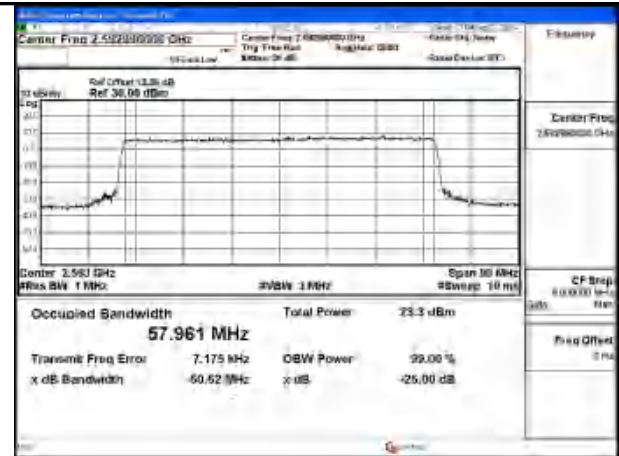


Fig.54



Fig.55

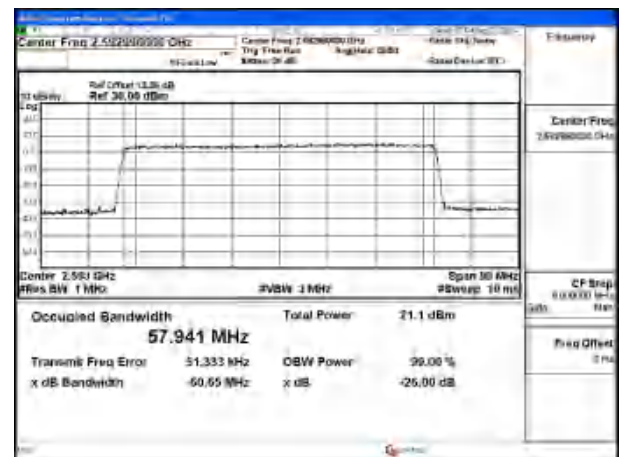


Fig.56



Fig.57



Fig.58



Fig.59

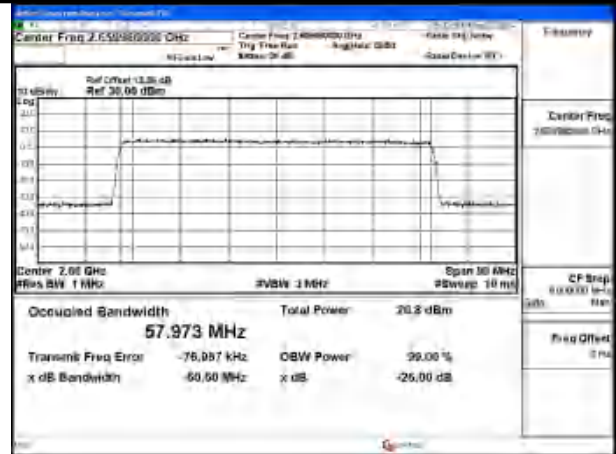


Fig.60



Fig.61



Fig.62



Fig.63



Fig.64

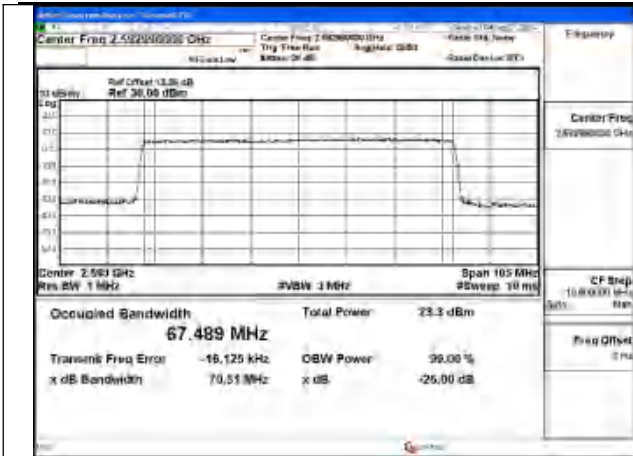


Fig.65

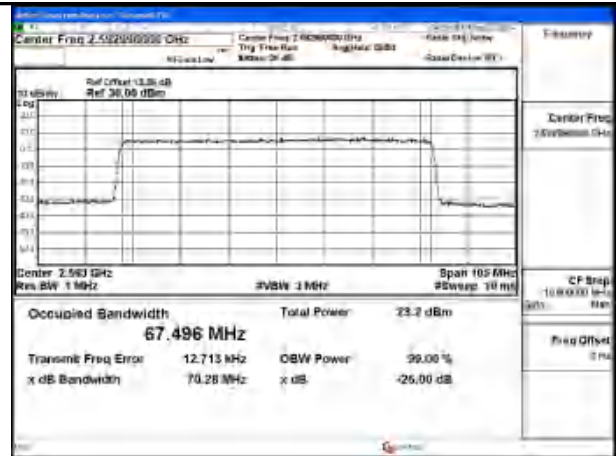


Fig.66



Fig.67

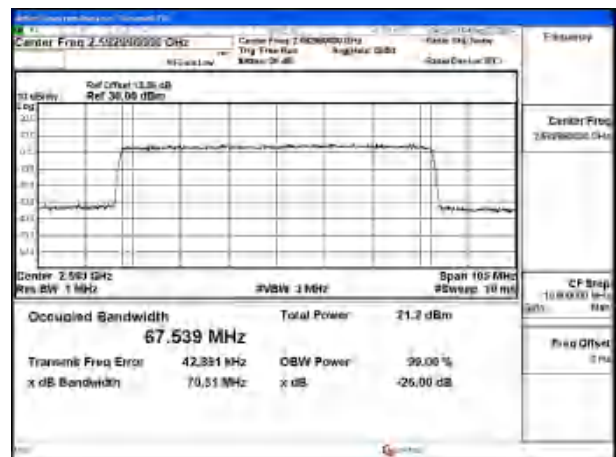


Fig.68



Fig.69

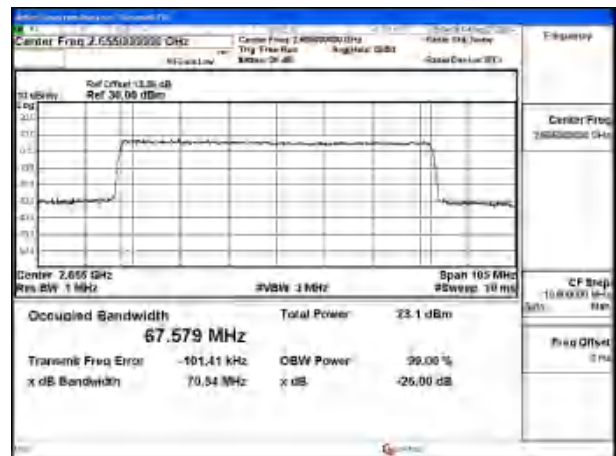


Fig.70



Fig.71

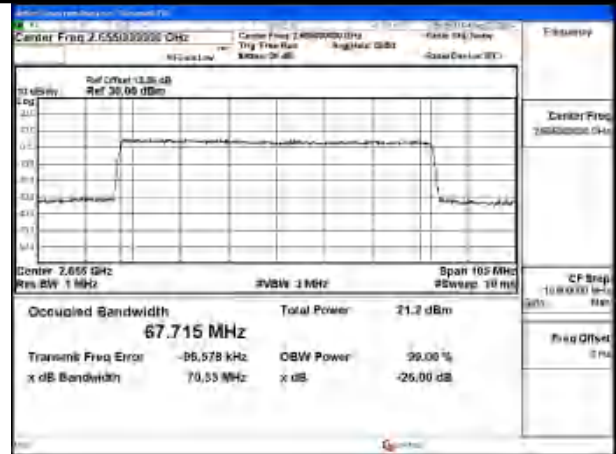


Fig.72

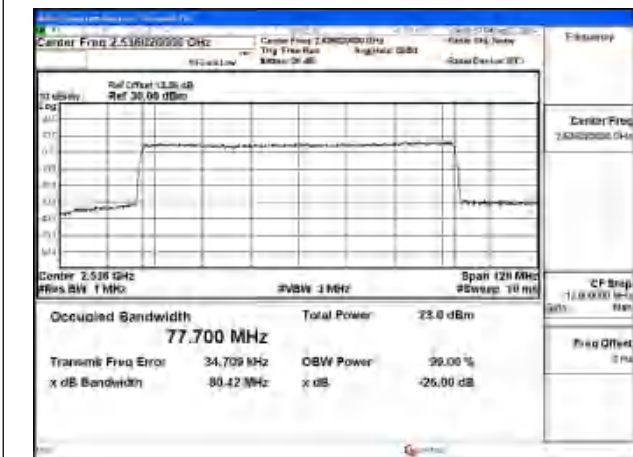


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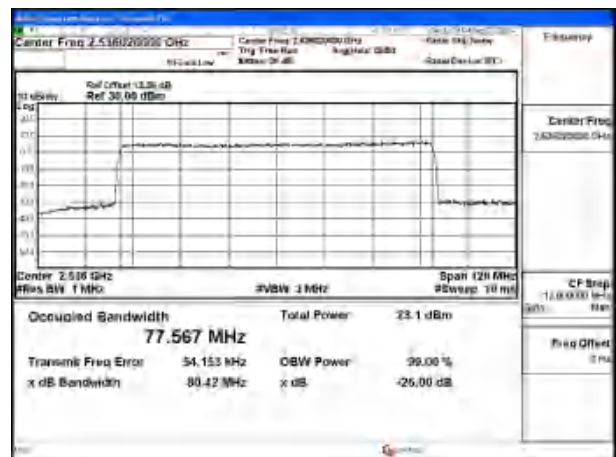


Fig.74

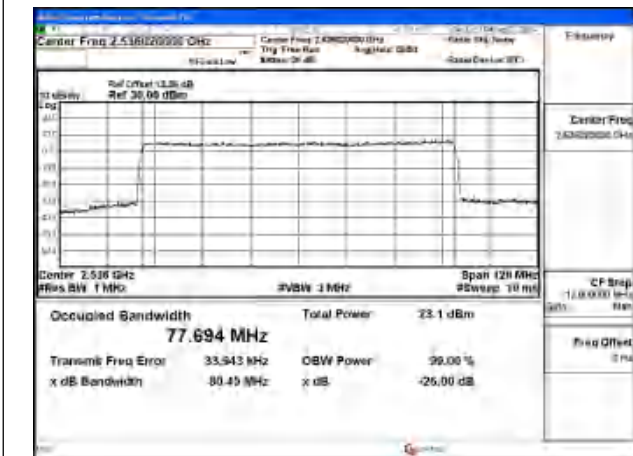


Fig.75

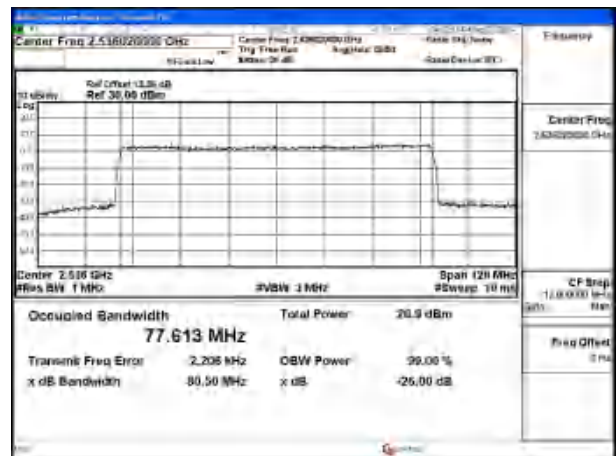


Fig.76

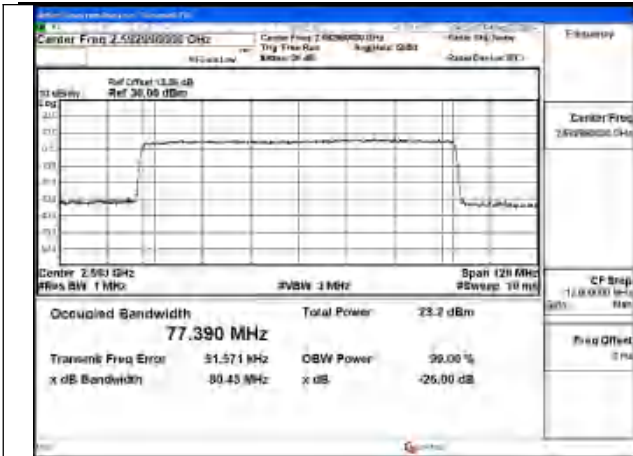


Fig.77

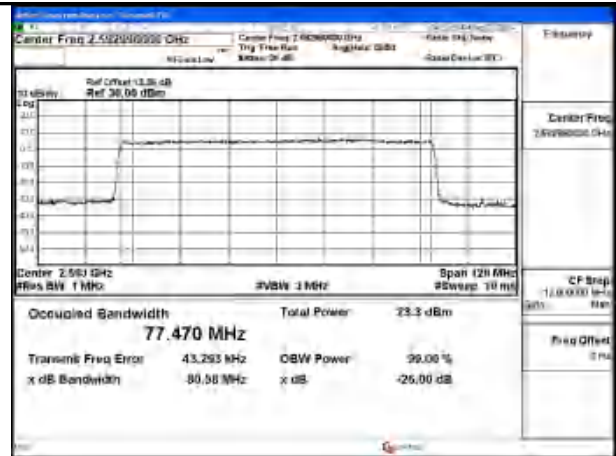


Fig.78

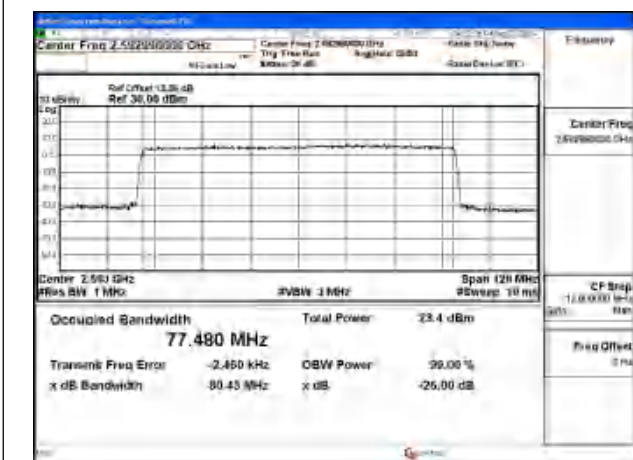


Fig.79

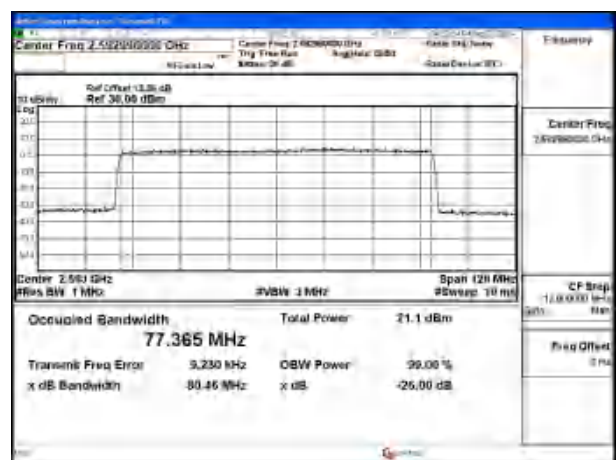


Fig.80

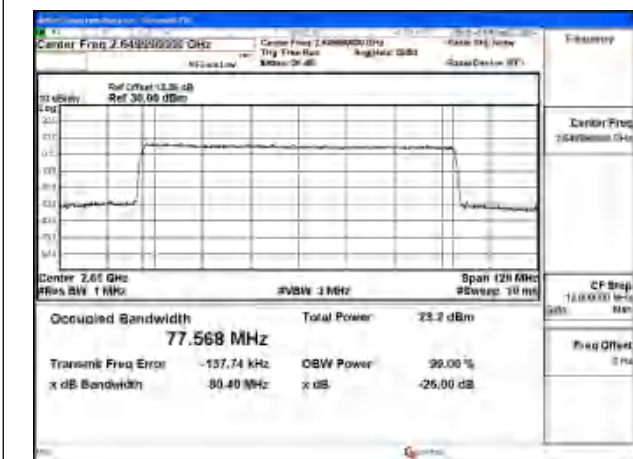


Fig.81

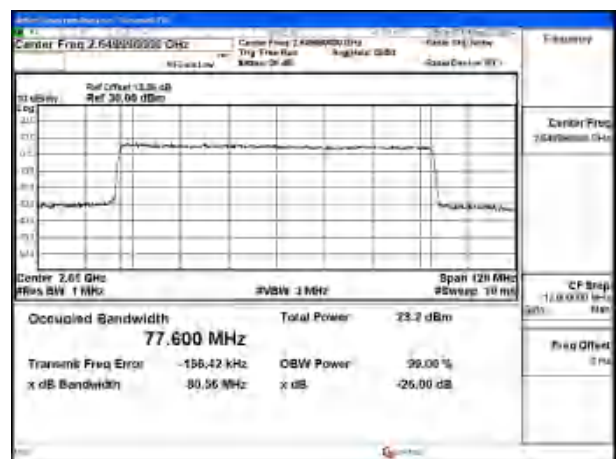


Fig.82



Fig.83

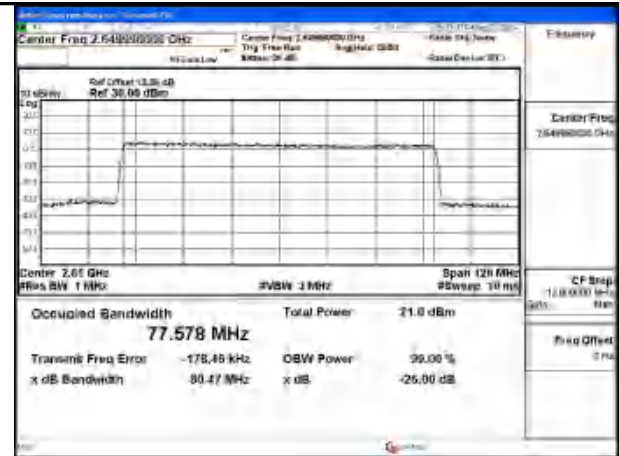


Fig.84



Fig.85

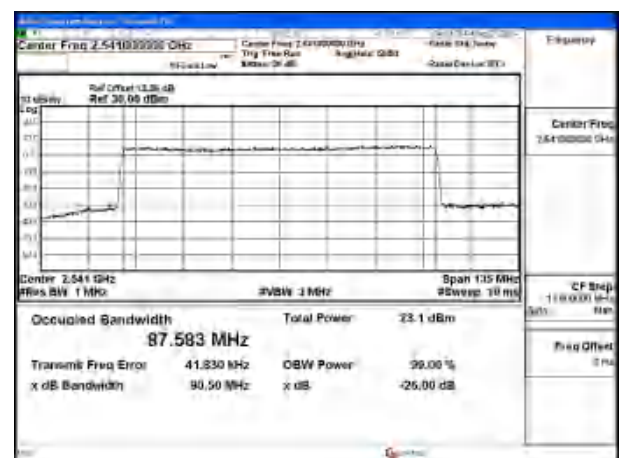


Fig.86



Fig.87

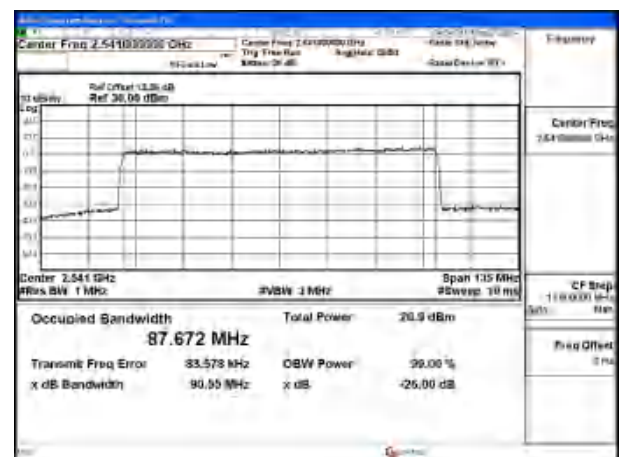


Fig.88



Fig.89

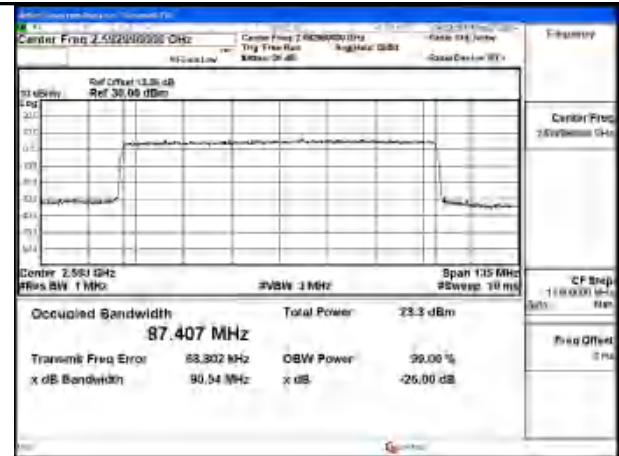


Fig.90

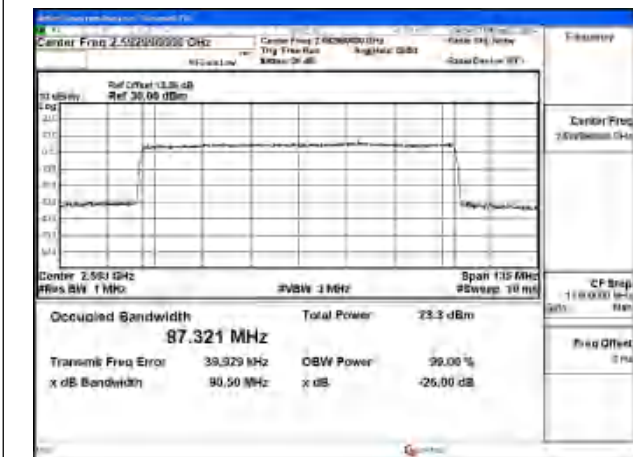


Fig.91

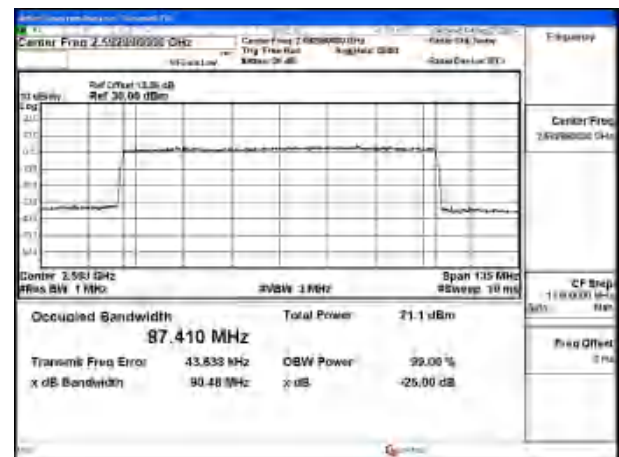


Fig.92



Fig.93

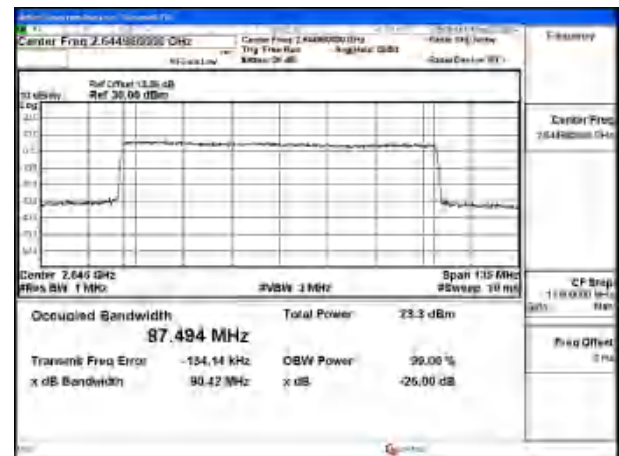


Fig.94



Fig.95

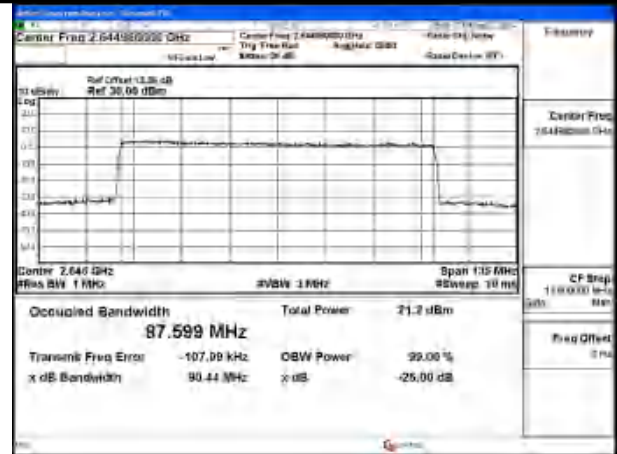


Fig.96



Fig.97



Fig.98



Fig.99



Fig.100



Fig.101

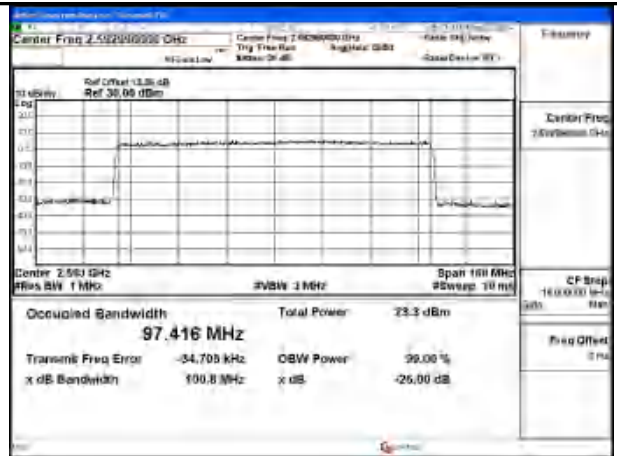


Fig.102



Fig.103



Fig.104

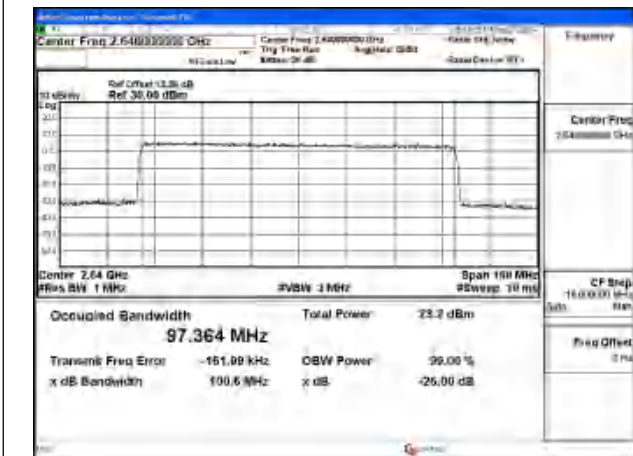


Fig.105

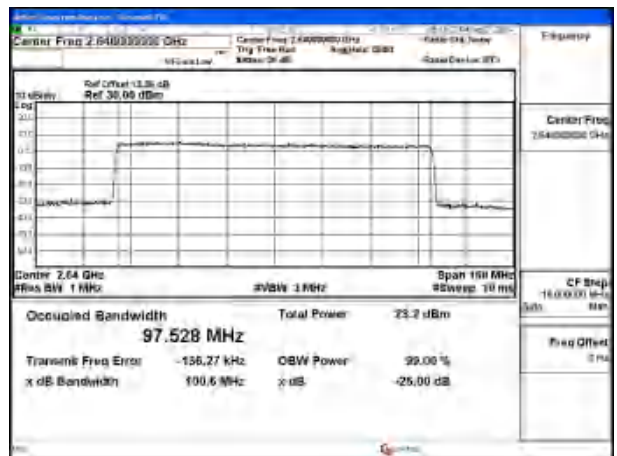


Fig.106



Fig.107

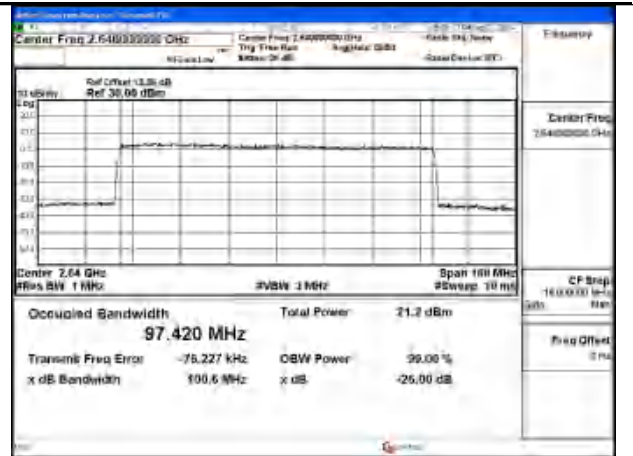


Fig.108



3 Emission Bandwidth

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB Power (MHz) | |
|----------------|-------------------------|------------|----------|---------|-----------|--------------------------------|--------|
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 51 | 0 | 19.340 | Fig.1 |
| CP-OFDM 16QAM | 2506.02 | 501204 | 20 | 51 | 0 | 19.650 | Fig.2 |
| CP-OFDM 64QAM | 2506.02 | 501204 | 20 | 51 | 0 | 19.570 | Fig.3 |
| CP-OFDM 256QAM | 2506.02 | 501204 | 20 | 51 | 0 | 19.620 | Fig.4 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 51 | 0 | 19.590 | Fig.5 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 51 | 0 | 19.750 | Fig.6 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 51 | 0 | 19.490 | Fig.7 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 51 | 0 | 19.820 | Fig.8 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 51 | 0 | 19.370 | Fig.9 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 51 | 0 | 19.510 | Fig.10 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 51 | 0 | 19.540 | Fig.11 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 51 | 0 | 19.530 | Fig.12 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 78 | 0 | 29.320 | Fig.13 |
| CP-OFDM 16QAM | 2511 | 502200 | 30 | 78 | 0 | 29.330 | Fig.14 |
| CP-OFDM 64QAM | 2511 | 502200 | 30 | 78 | 0 | 29.160 | Fig.15 |
| CP-OFDM 256QAM | 2511 | 502200 | 30 | 78 | 0 | 29.260 | Fig.16 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 78 | 0 | 29.500 | Fig.17 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 78 | 0 | 29.300 | Fig.18 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 78 | 0 | 29.370 | Fig.19 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 78 | 0 | 29.370 | Fig.20 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 78 | 0 | 29.180 | Fig.21 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 78 | 0 | 29.330 | Fig.22 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 78 | 0 | 29.170 | Fig.23 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 78 | 0 | 29.220 | Fig.24 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 106 | 0 | 40.550 | Fig.25 |
| CP-OFDM 16QAM | 2516.01 | 503202 | 40 | 106 | 0 | 40.540 | Fig.26 |
| CP-OFDM 64QAM | 2516.01 | 503202 | 40 | 106 | 0 | 40.490 | Fig.27 |
| CP-OFDM 256QAM | 2516.01 | 503202 | 40 | 106 | 0 | 40.550 | Fig.28 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 106 | 0 | 40.480 | Fig.29 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 106 | 0 | 40.480 | Fig.30 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 106 | 0 | 40.550 | Fig.31 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 106 | 0 | 40.660 | Fig.32 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 106 | 0 | 40.570 | Fig.33 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 106 | 0 | 40.460 | Fig.34 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 106 | 0 | 40.490 | Fig.35 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 106 | 0 | 40.510 | Fig.36 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 133 | 0 | 50.280 | Fig.37 |
| CP-OFDM 16QAM | 2521.02 | 504204 | 50 | 133 | 0 | 50.190 | Fig.38 |
| CP-OFDM 64QAM | 2521.02 | 504204 | 50 | 133 | 0 | 50.300 | Fig.39 |
| CP-OFDM 256QAM | 2521.02 | 504204 | 50 | 133 | 0 | 50.090 | Fig.40 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 133 | 0 | 50.080 | Fig.41 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 133 | 0 | 50.310 | Fig.42 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 133 | 0 | 50.150 | Fig.43 |



| | | | | | | | |
|----------------|---------|--------|----|-----|---|--------|--------|
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 133 | 0 | 50.190 | Fig.44 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 133 | 0 | 50.330 | Fig.45 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 133 | 0 | 50.240 | Fig.46 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 133 | 0 | 50.140 | Fig.47 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 50.200 | Fig.48 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 60.680 | Fig.49 |
| CP-OFDM 16QAM | 2526 | 505200 | 60 | 162 | 0 | 60.660 | Fig.50 |
| CP-OFDM 64QAM | 2526 | 505200 | 60 | 162 | 0 | 60.640 | Fig.51 |
| CP-OFDM 256QAM | 2526 | 505200 | 60 | 162 | 0 | 60.690 | Fig.52 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 162 | 0 | 60.630 | Fig.53 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 60.620 | Fig.54 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 162 | 0 | 60.500 | Fig.55 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 60.650 | Fig.56 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 162 | 0 | 60.680 | Fig.57 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 162 | 0 | 60.700 | Fig.58 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 60.650 | Fig.59 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 60.600 | Fig.60 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 189 | 0 | 70.430 | Fig.61 |
| CP-OFDM 16QAM | 2531.01 | 506202 | 70 | 189 | 0 | 70.290 | Fig.62 |
| CP-OFDM 64QAM | 2531.01 | 506202 | 70 | 189 | 0 | 70.290 | Fig.63 |
| CP-OFDM 256QAM | 2531.01 | 506202 | 70 | 189 | 0 | 70.540 | Fig.64 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 189 | 0 | 70.310 | Fig.65 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 189 | 0 | 70.280 | Fig.66 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 189 | 0 | 70.340 | Fig.67 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 189 | 0 | 70.310 | Fig.68 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 189 | 0 | 70.320 | Fig.69 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 189 | 0 | 70.340 | Fig.70 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 189 | 0 | 70.450 | Fig.71 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 189 | 0 | 70.330 | Fig.72 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 217 | 0 | 80.420 | Fig.73 |
| CP-OFDM 16QAM | 2536.02 | 507204 | 80 | 217 | 0 | 80.420 | Fig.74 |
| CP-OFDM 64QAM | 2536.02 | 507204 | 80 | 217 | 0 | 80.450 | Fig.75 |
| CP-OFDM 256QAM | 2536.02 | 507204 | 80 | 217 | 0 | 80.500 | Fig.76 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 217 | 0 | 80.430 | Fig.77 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 217 | 0 | 80.580 | Fig.78 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 217 | 0 | 80.430 | Fig.79 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 217 | 0 | 80.460 | Fig.80 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 217 | 0 | 80.400 | Fig.81 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 217 | 0 | 80.560 | Fig.82 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 217 | 0 | 80.530 | Fig.83 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 80.470 | Fig.84 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 245 | 0 | 90.490 | Fig.85 |
| CP-OFDM 16QAM | 2541 | 508200 | 90 | 245 | 0 | 90.500 | Fig.86 |
| CP-OFDM 64QAM | 2541 | 508200 | 90 | 245 | 0 | 90.430 | Fig.87 |
| CP-OFDM 256QAM | 2541 | 508200 | 90 | 245 | 0 | 90.550 | Fig.88 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 245 | 0 | 90.510 | Fig.89 |

| | | | | | | | |
|----------------|---------|--------|-----|-----|---|---------|---------|
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 245 | 0 | 90.540 | Fig.90 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 245 | 0 | 90.500 | Fig.91 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 245 | 0 | 90.480 | Fig.92 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 245 | 0 | 90.540 | Fig.93 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 245 | 0 | 90.420 | Fig.94 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 245 | 0 | 90.540 | Fig.95 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 245 | 0 | 90.440 | Fig.96 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 273 | 0 | 100.780 | Fig.97 |
| CP-OFDM 16QAM | 2546.01 | 509202 | 100 | 273 | 0 | 100.530 | Fig.98 |
| CP-OFDM 64QAM | 2546.01 | 509202 | 100 | 273 | 0 | 100.580 | Fig.99 |
| CP-OFDM 256QAM | 2546.01 | 509202 | 100 | 273 | 0 | 100.530 | Fig.100 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 273 | 0 | 100.560 | Fig.101 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 273 | 0 | 100.770 | Fig.102 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 273 | 0 | 100.550 | Fig.103 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 273 | 0 | 100.590 | Fig.104 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 273 | 0 | 100.560 | Fig.105 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 273 | 0 | 100.570 | Fig.106 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 273 | 0 | 100.640 | Fig.107 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 273 | 0 | 100.630 | Fig.108 |

Test Plot:

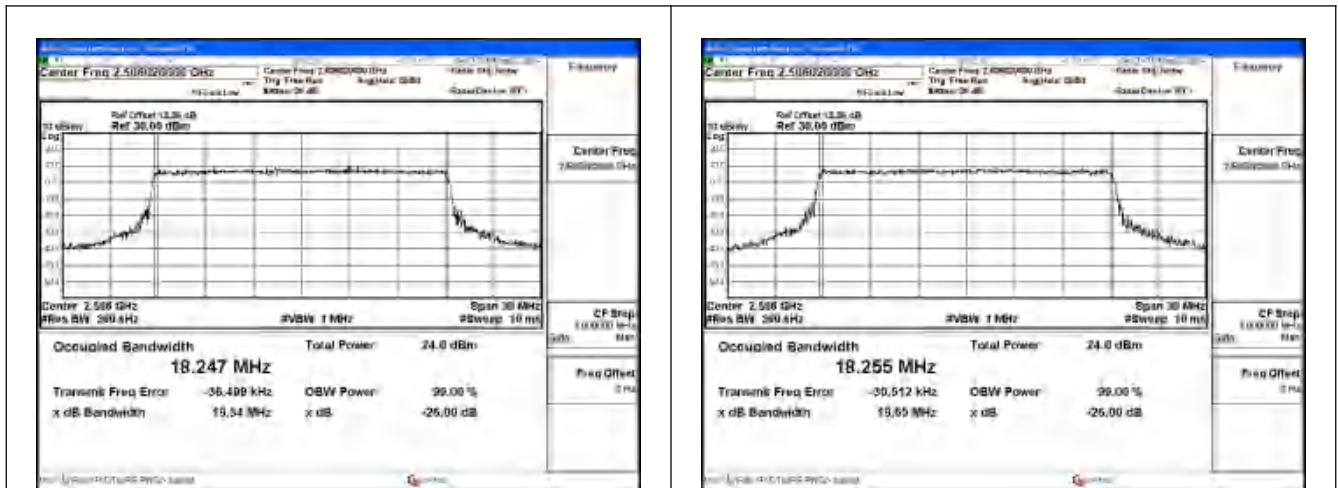


Fig.1

Fig.2

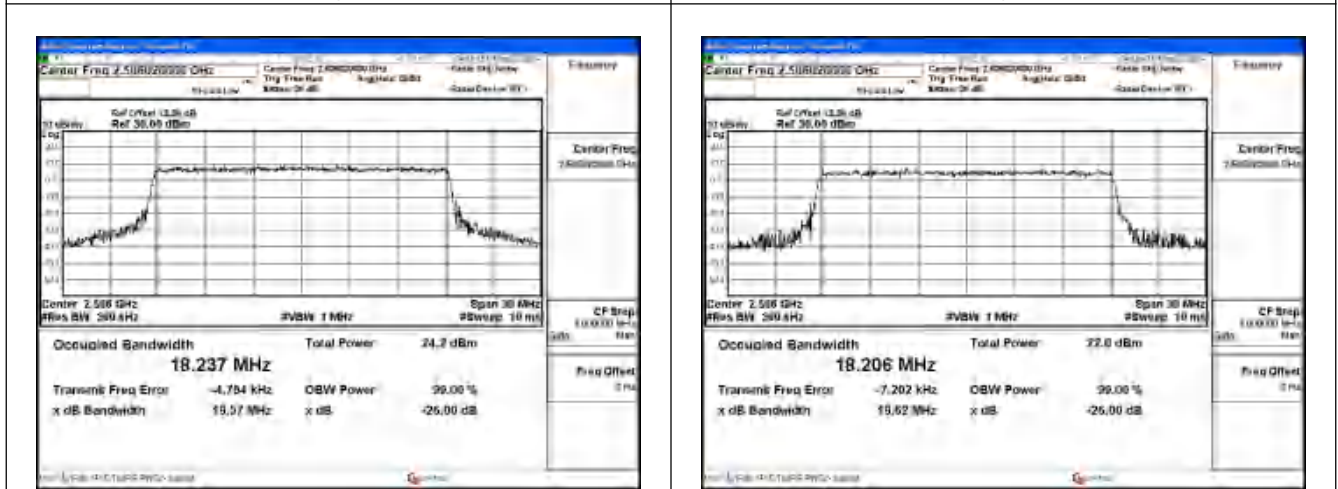


Fig.3



Fig.4



Fig.5

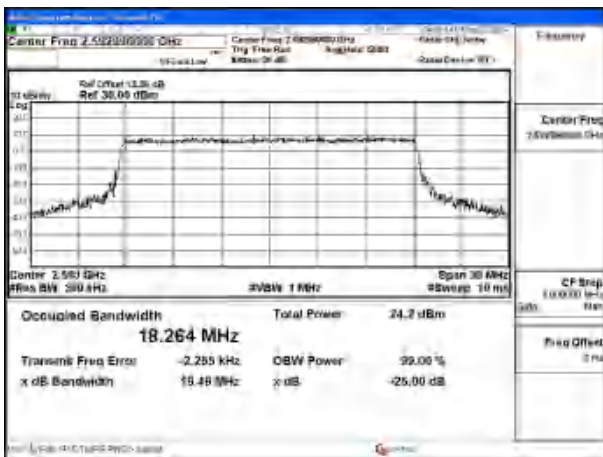


Fig.6

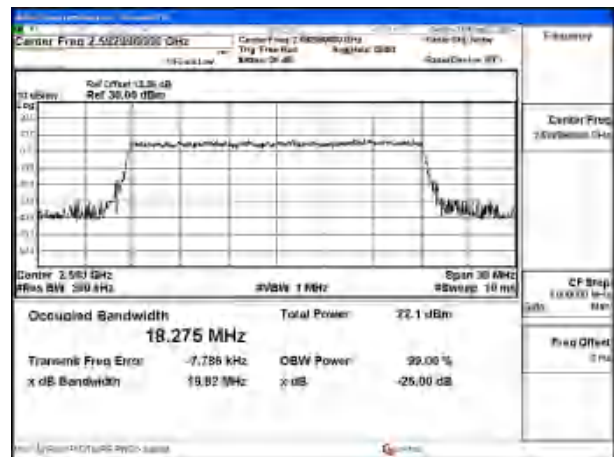


Fig.7

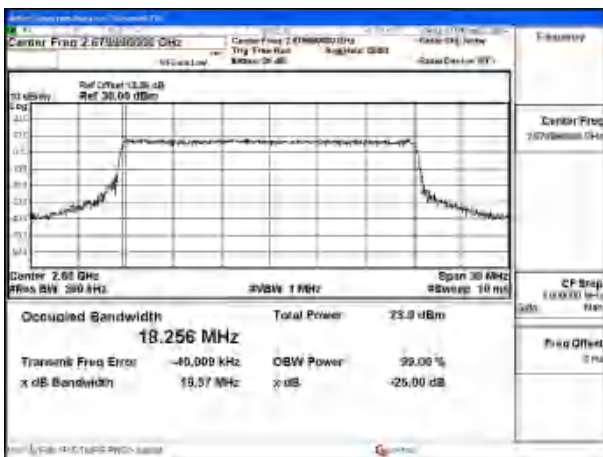


Fig.8



Fig.9

Fig.10

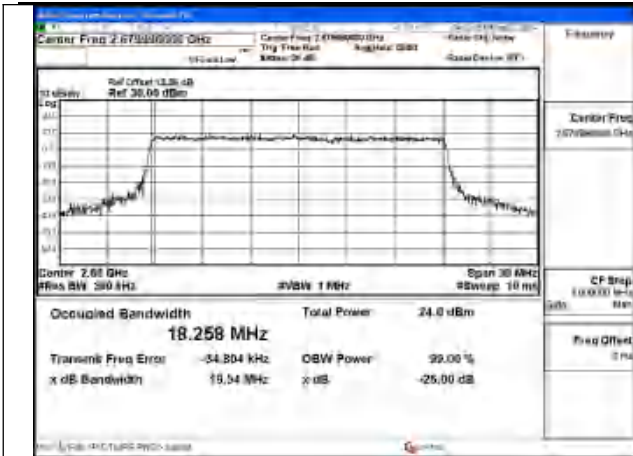


Fig.11

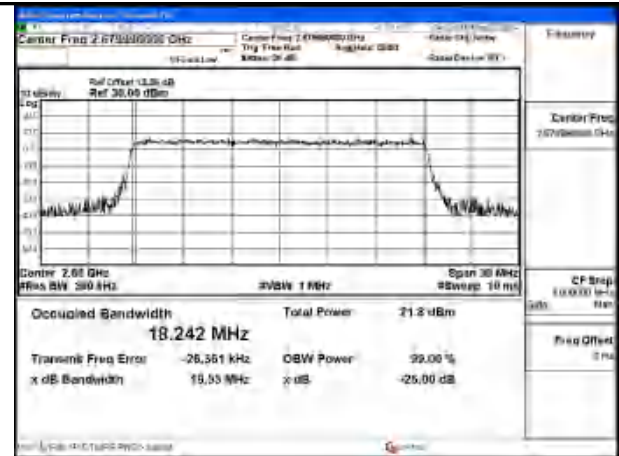


Fig.12



Fig.13

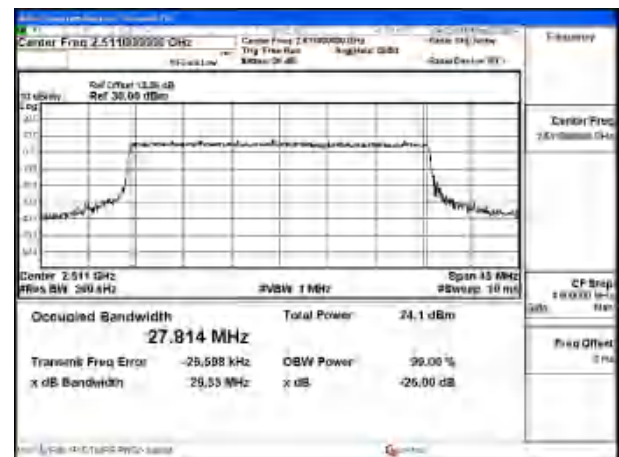


Fig.14



Fig.15

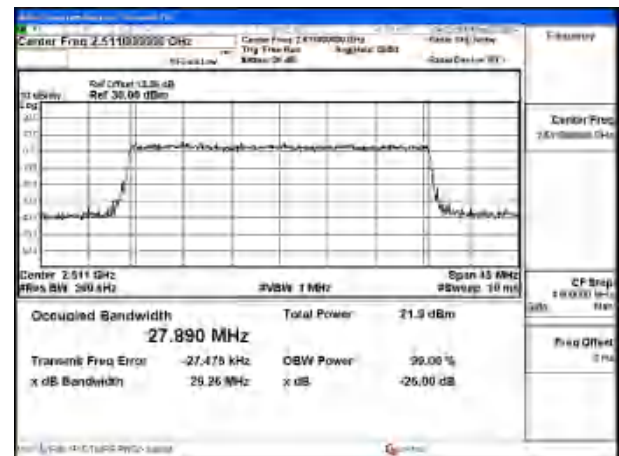


Fig.16



Fig.17



Fig.18



Fig.19

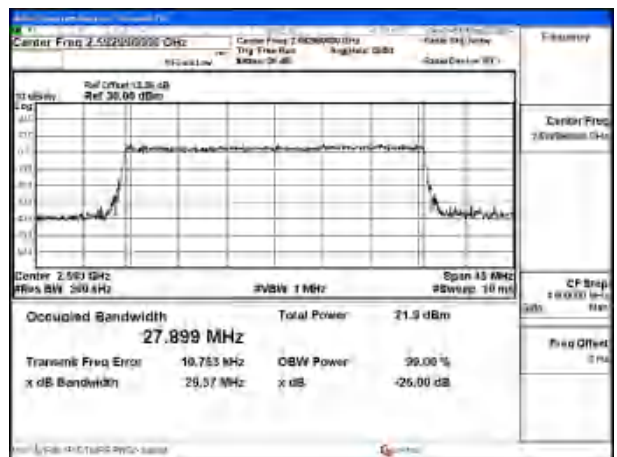


Fig.20



Fig.21

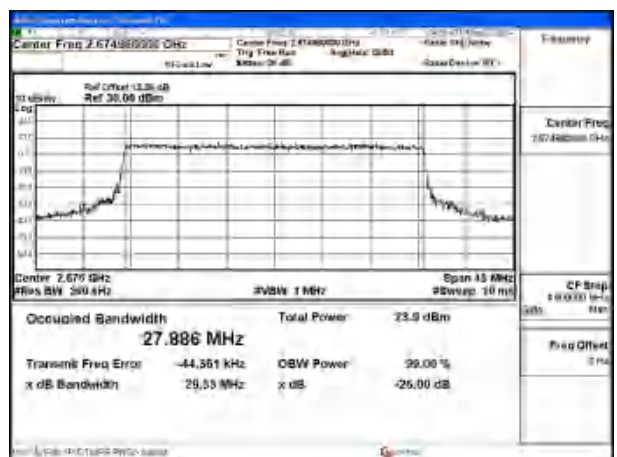


Fig.22



Fig.23

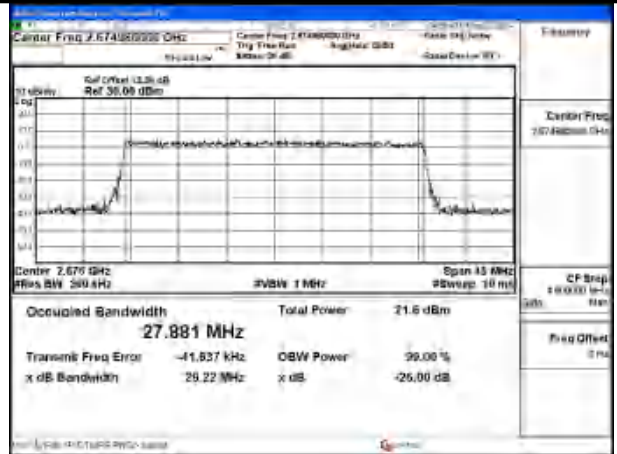


Fig.24



Fig.25



Fig.26



Fig.27



Fig.28



Fig.29



Fig.30



Fig.31



Fig.32



Fig.33

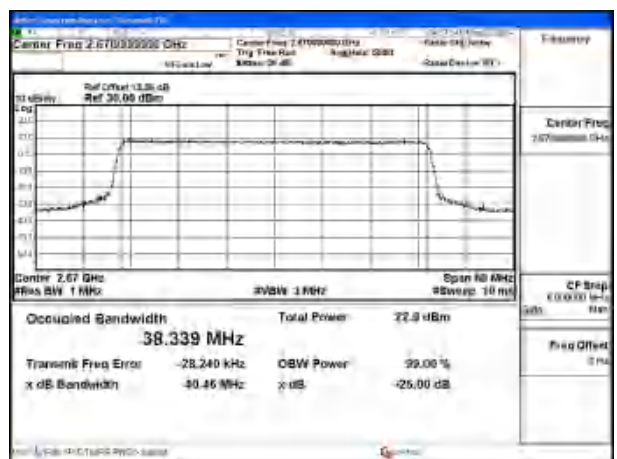


Fig.34



Fig.35



Fig.36



Fig.37



Fig.38



Fig.39

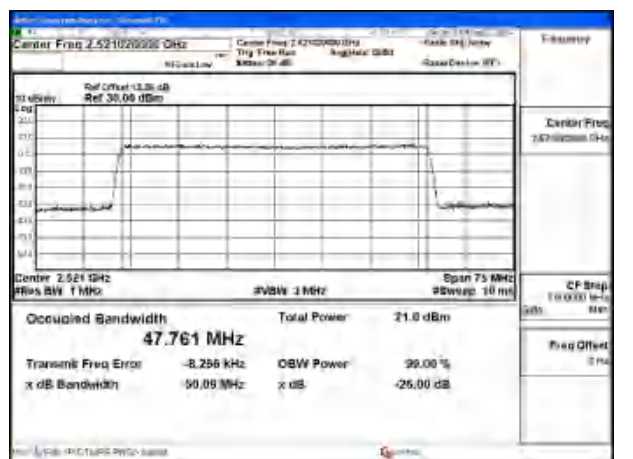


Fig.40



Fig.41

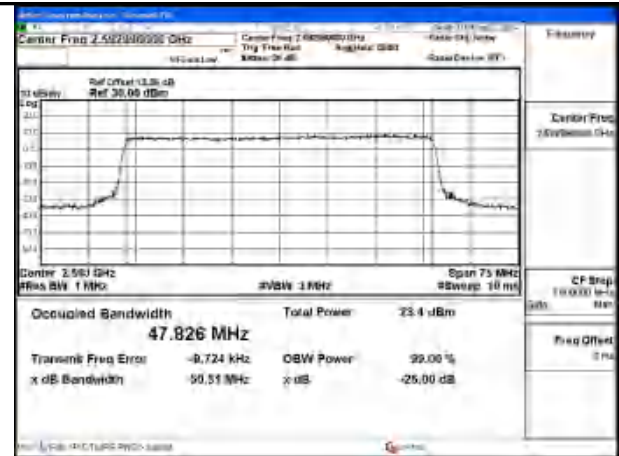


Fig.42



Fig.43



Fig.44



Fig.45

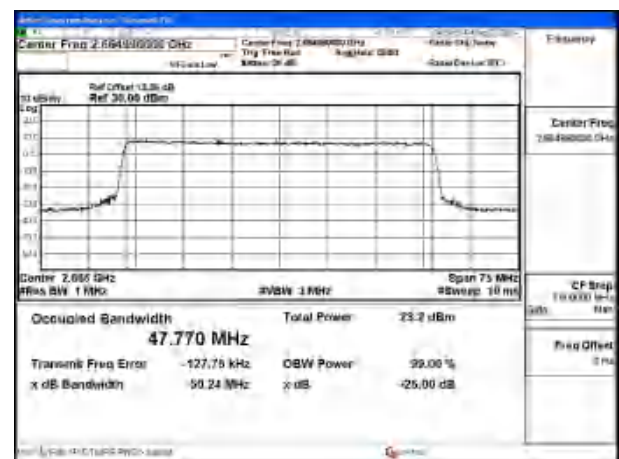


Fig.46



Fig.47



Fig.48



Fig.49



Fig.50



Fig.51



Fig.52

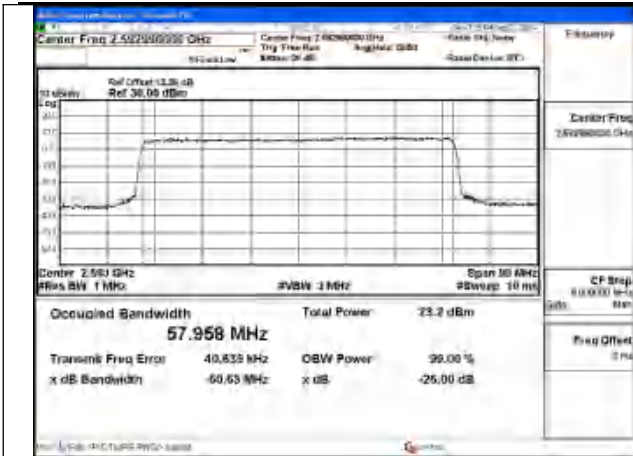


Fig.53

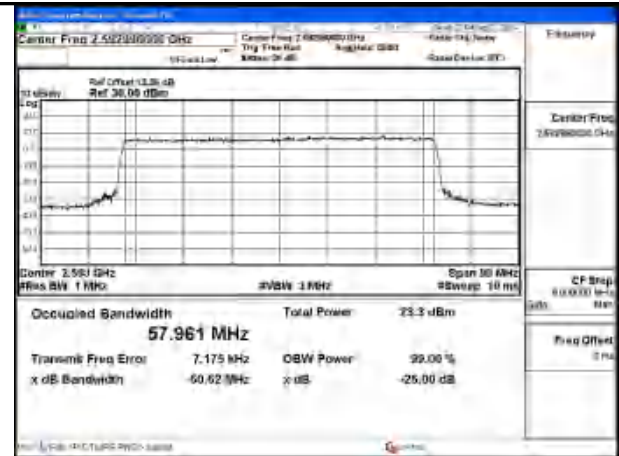


Fig.54



Fig.55

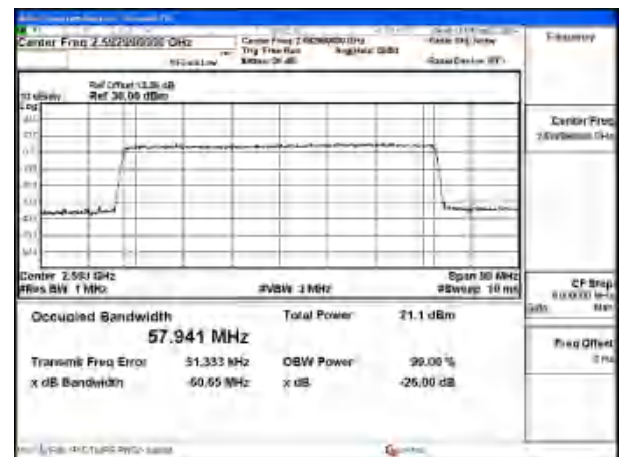


Fig.56



Fig.57

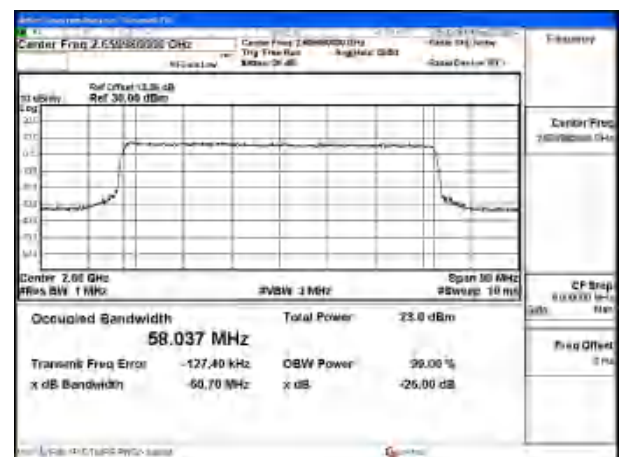


Fig.58



Fig.59

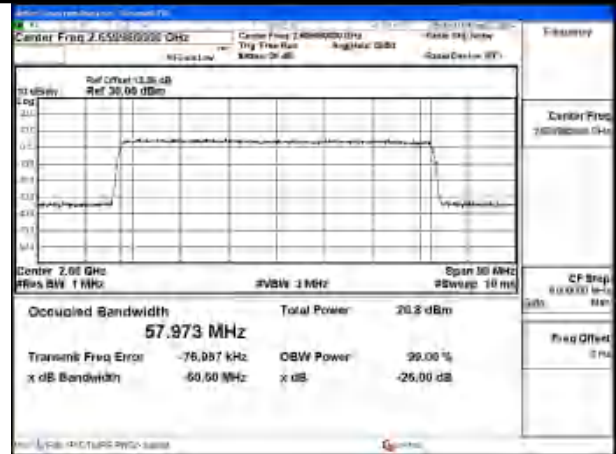


Fig.60



Fig.61



Fig.62



Fig.63



Fig.64



Fig.65



Fig.66

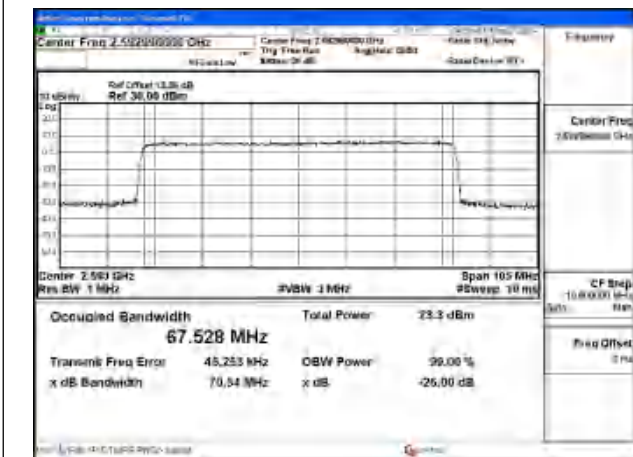


Fig.67



Fig.68



Fig.69

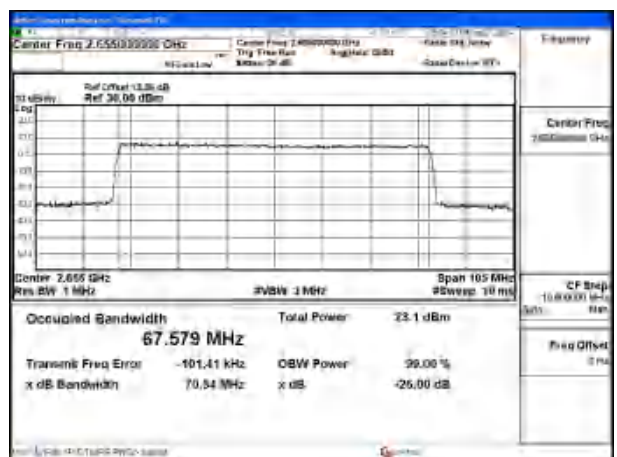


Fig.70



Fig.71

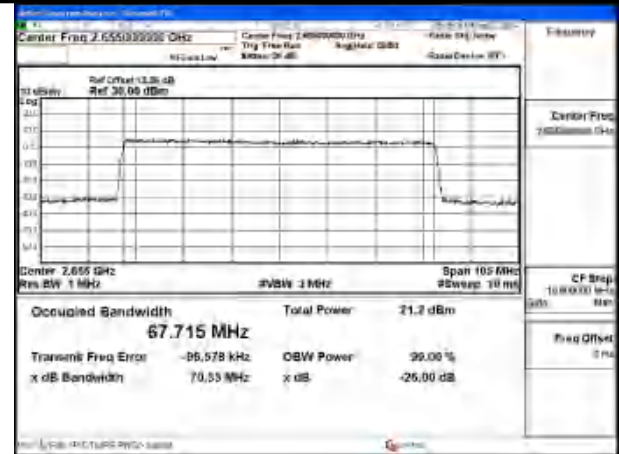


Fig.72



Fig.73

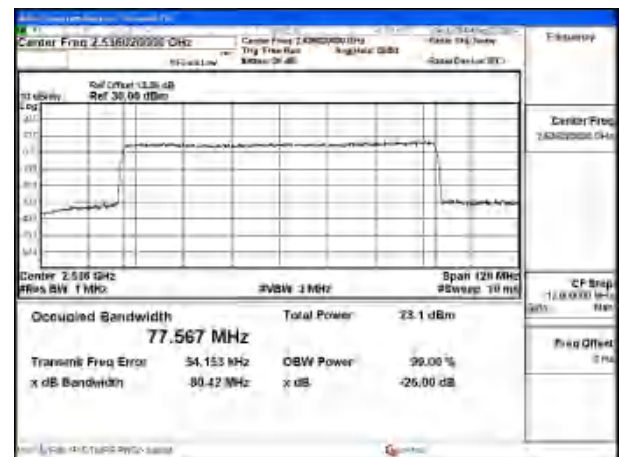


Fig.74



Fig.75

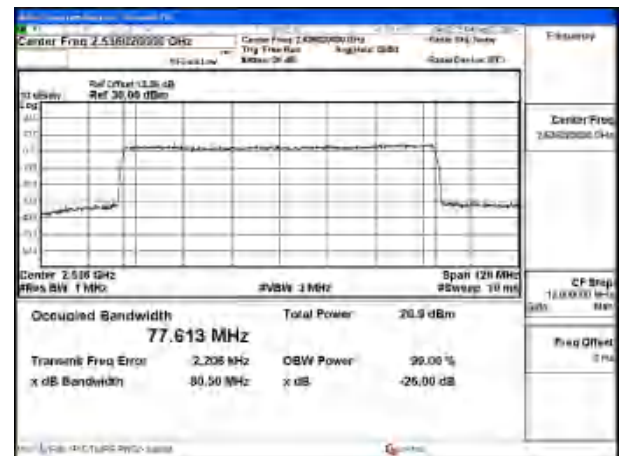


Fig.76

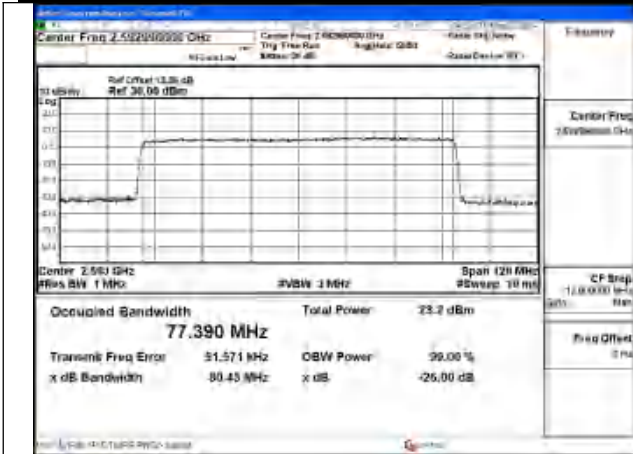


Fig.77

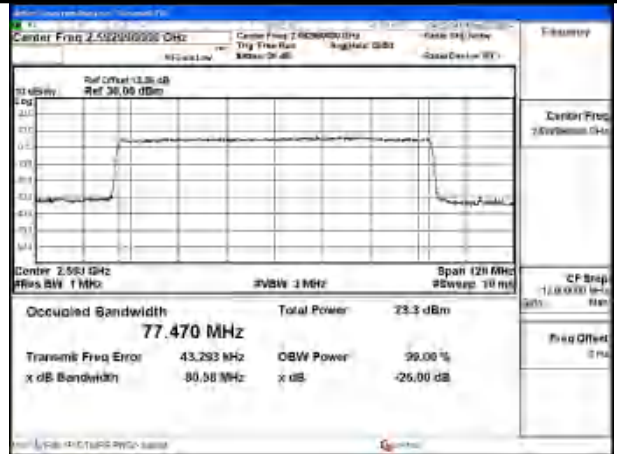


Fig.78



Fig.79

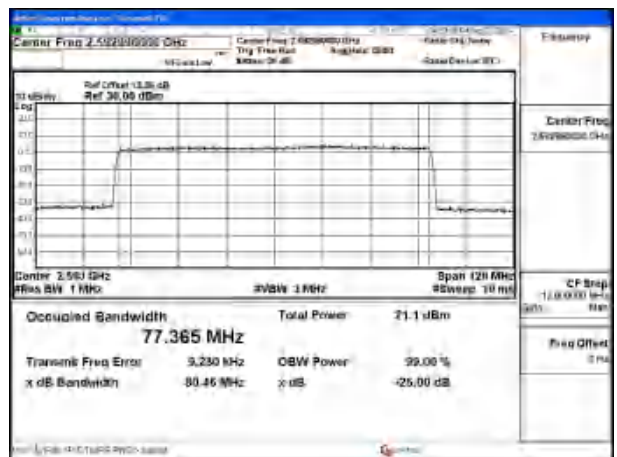


Fig.80



Fig.81

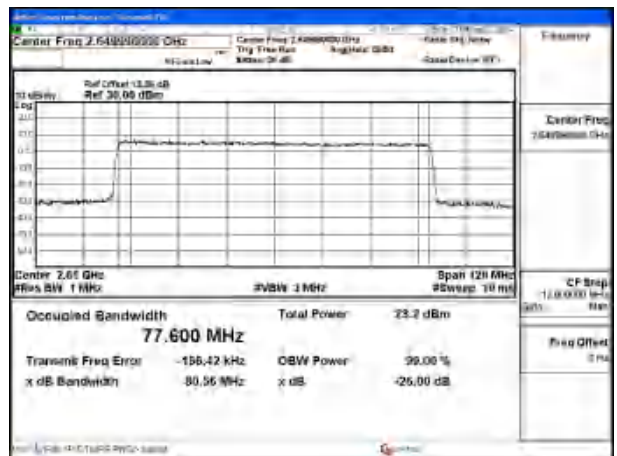


Fig.82



Fig.83

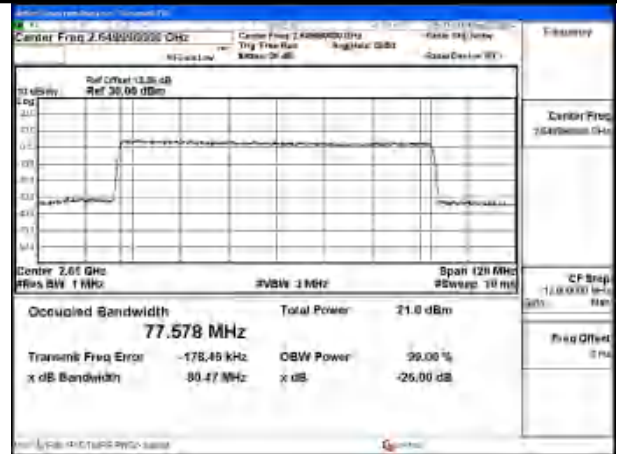


Fig.84



Fig.85



Fig.86



Fig.87

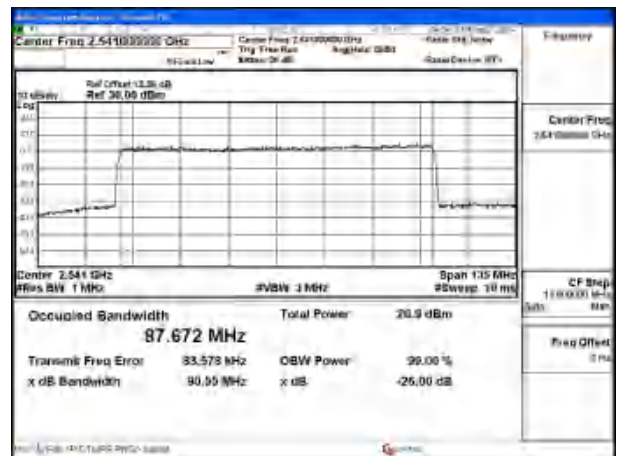


Fig.88

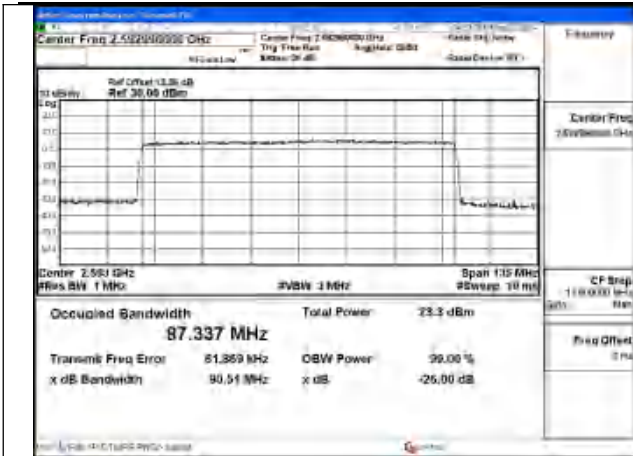


Fig.89

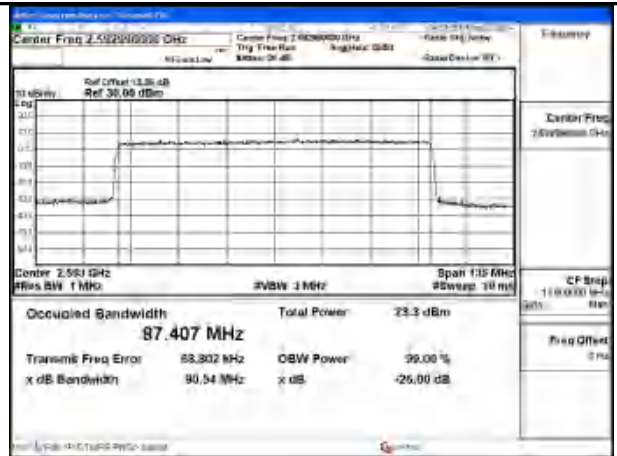


Fig.90



Fig.91

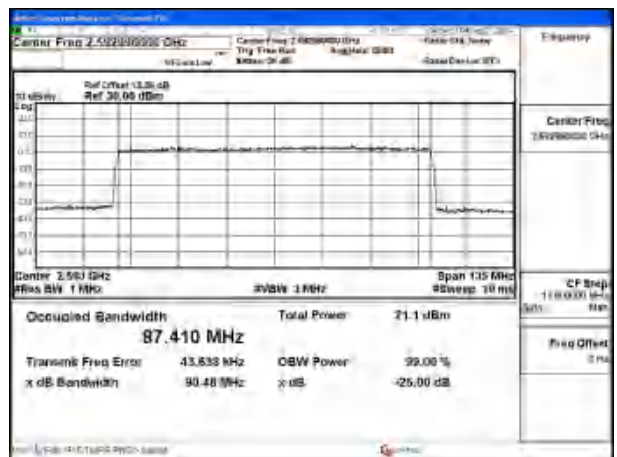


Fig.92



Fig.93

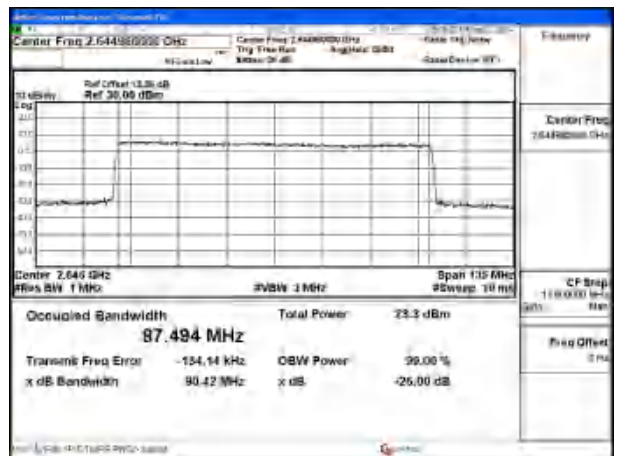


Fig.94



Fig.95

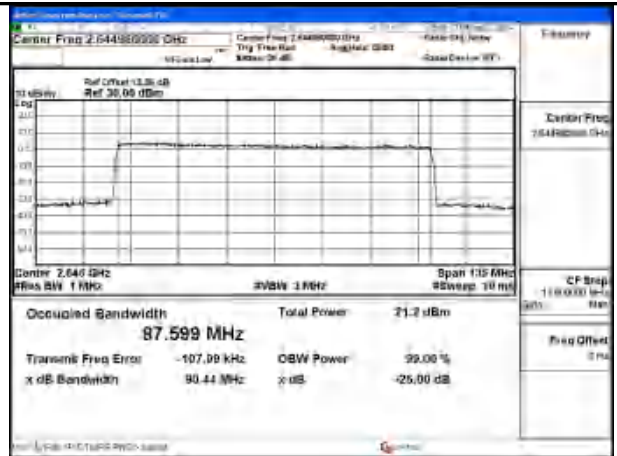


Fig.96



Fig.97



Fig.98



Fig.99

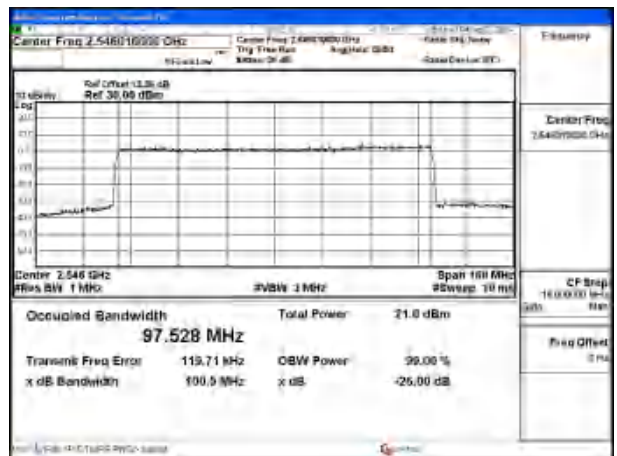


Fig.100



Fig.101

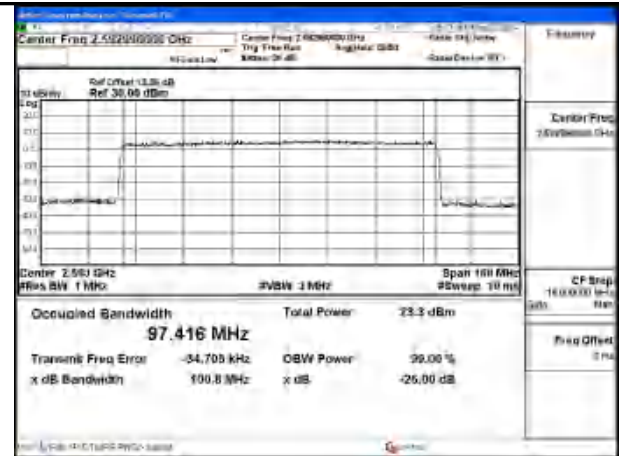


Fig.102



Fig.103

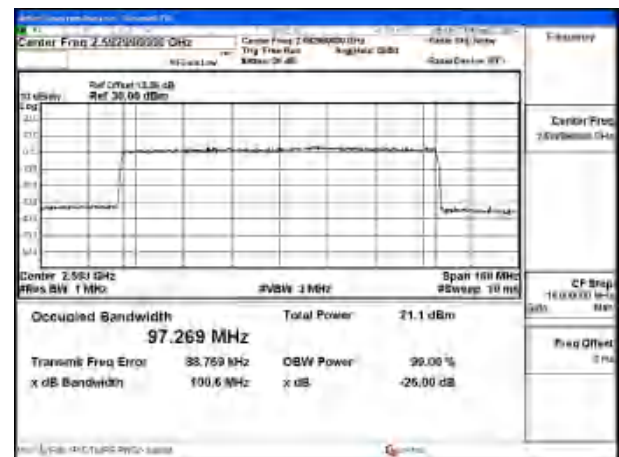


Fig.104



Fig.105

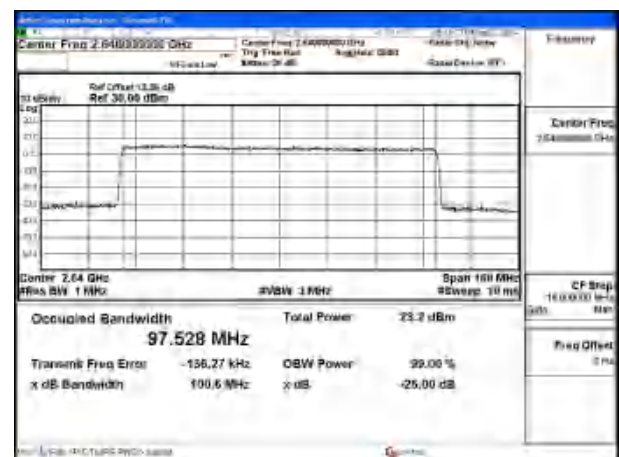


Fig.106

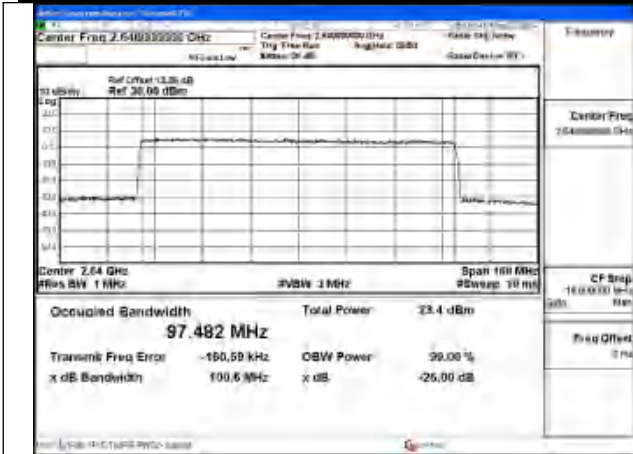


Fig.107

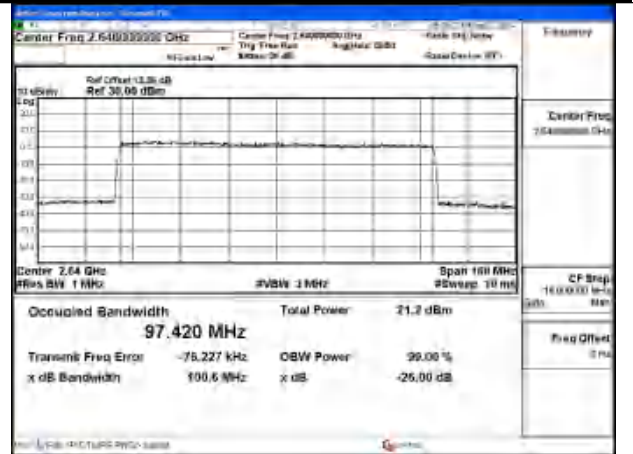
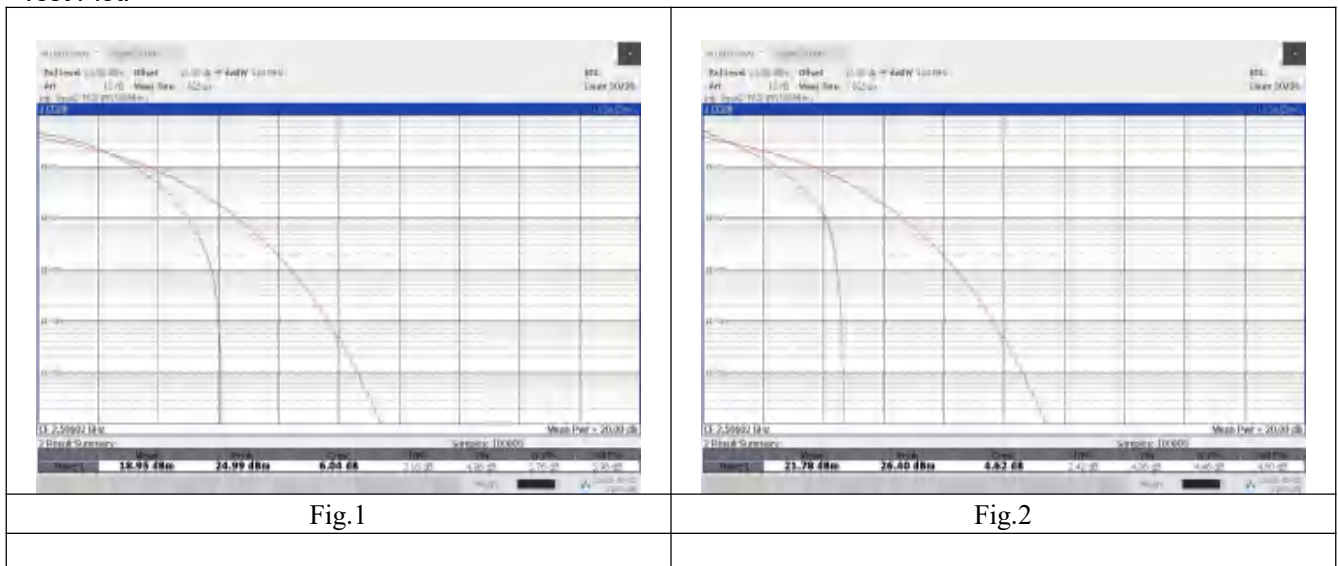


Fig.108

4 Peak-Average Ratio

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | PAR Plot |
|----------------------|-------------------------|------------|----------|---------|-----------|----------|
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | Fig.1 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 50 | 0 | Fig.2 |
| CP-OFDM 16QAM | 2506.02 | 501204 | 20 | 51 | 0 | Fig.3 |
| CP-OFDM 64QAM | 2506.02 | 501204 | 20 | 51 | 0 | Fig.4 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 50 | 0 | Fig.5 |
| DFT-s-OFDM QPSK | 2592.99 | 518598 | 20 | 50 | 0 | Fig.6 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 51 | 0 | Fig.7 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 51 | 0 | Fig.8 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 50 | 0 | Fig.9 |
| DFT-s-OFDM QPSK | 2679.99 | 535998 | 20 | 50 | 0 | Fig.10 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 51 | 0 | Fig.11 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 51 | 0 | Fig.12 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | Fig.13 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 270 | 0 | Fig.14 |
| CP-OFDM 16QAM | 2546.01 | 509202 | 100 | 273 | 0 | Fig.15 |
| CP-OFDM 64QAM | 2546.01 | 509202 | 100 | 273 | 0 | Fig.16 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 270 | 0 | Fig.17 |
| DFT-s-OFDM QPSK | 2592.99 | 518598 | 100 | 270 | 0 | Fig.18 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 273 | 0 | Fig.19 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 273 | 0 | Fig.20 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 270 | 0 | Fig.21 |
| DFT-s-OFDM QPSK | 2640 | 528000 | 100 | 270 | 0 | Fig.22 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 273 | 0 | Fig.23 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 273 | 0 | Fig.24 |

Test Plot:



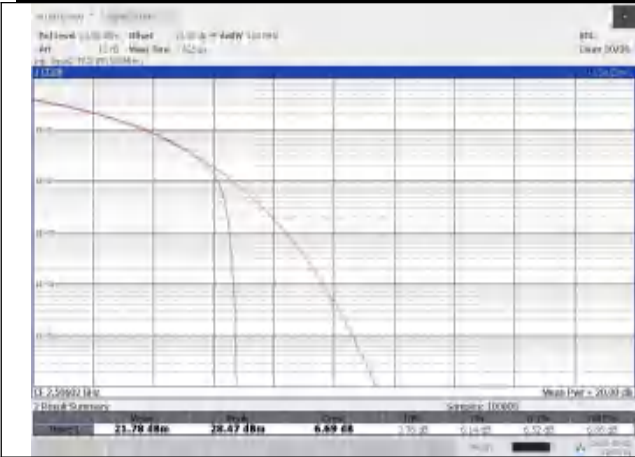


Fig.3

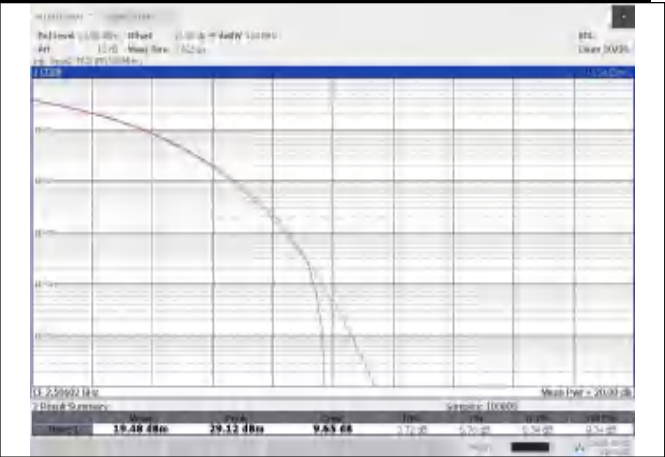


Fig.4

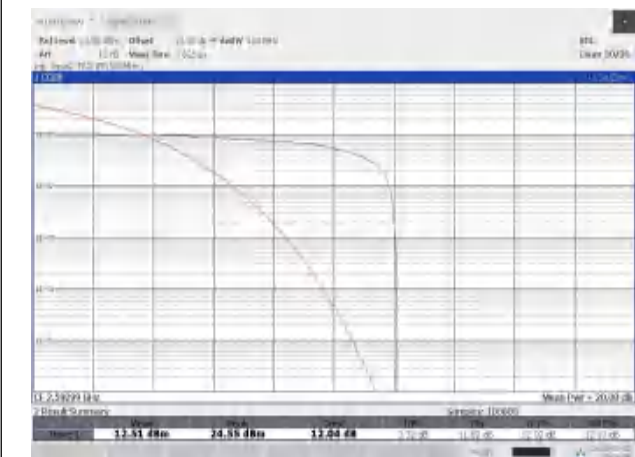


Fig.5

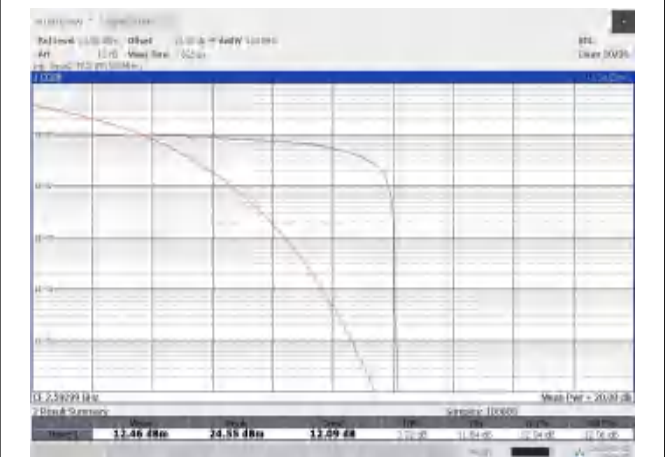


Fig.6

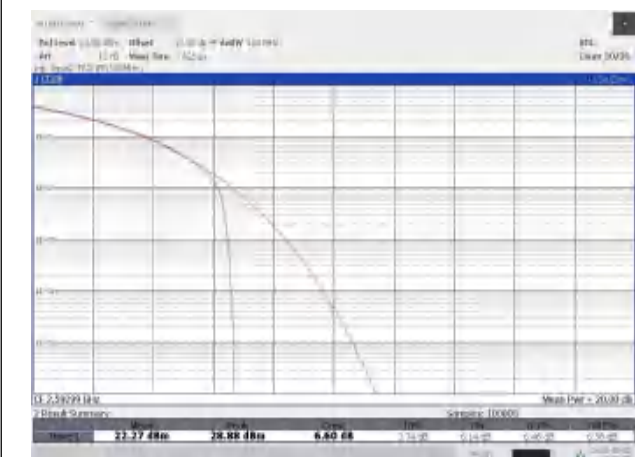


Fig.7

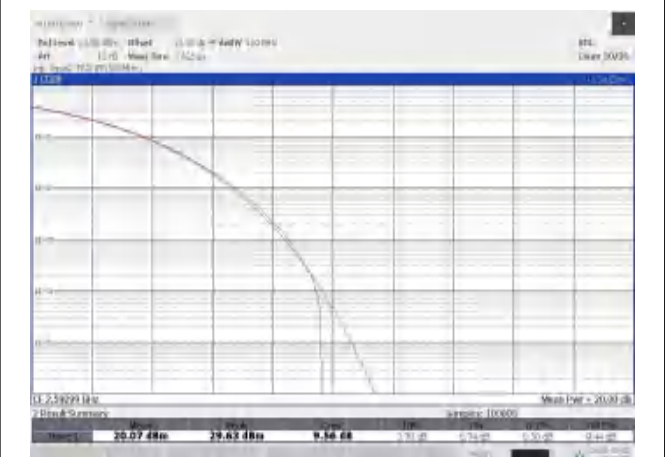


Fig.8

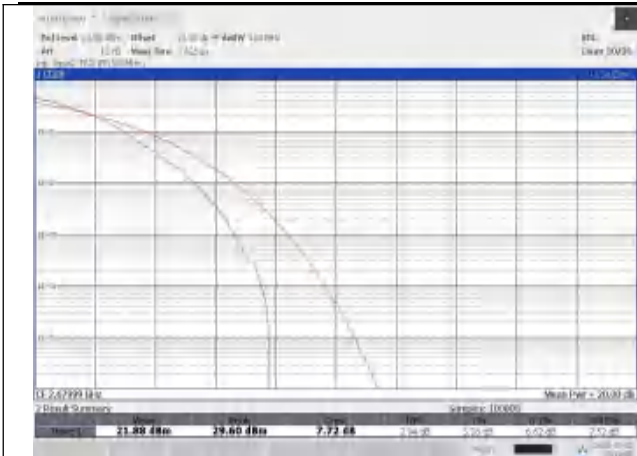


Fig.9

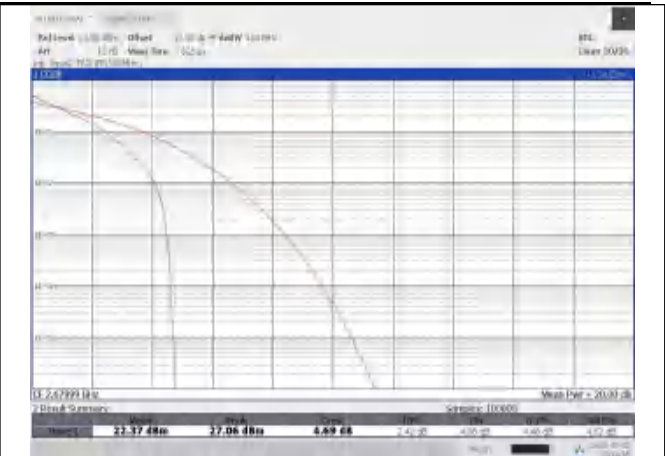


Fig.10

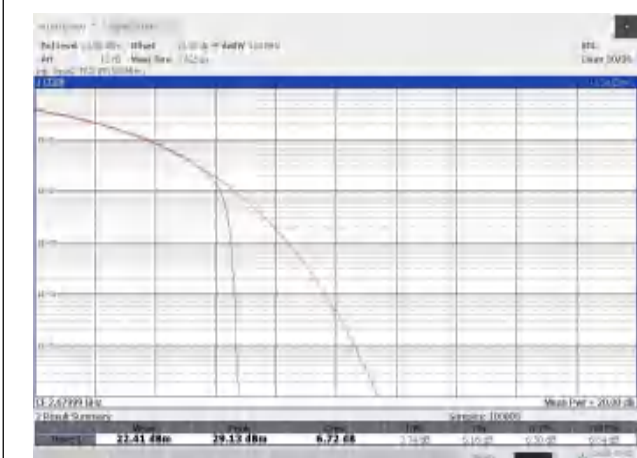


Fig.11

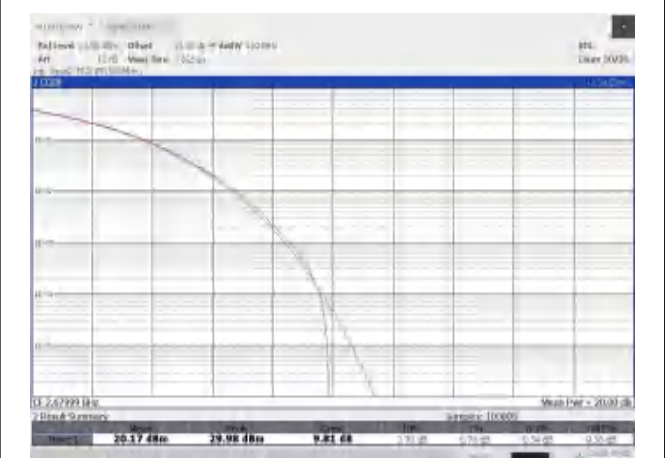


Fig.12

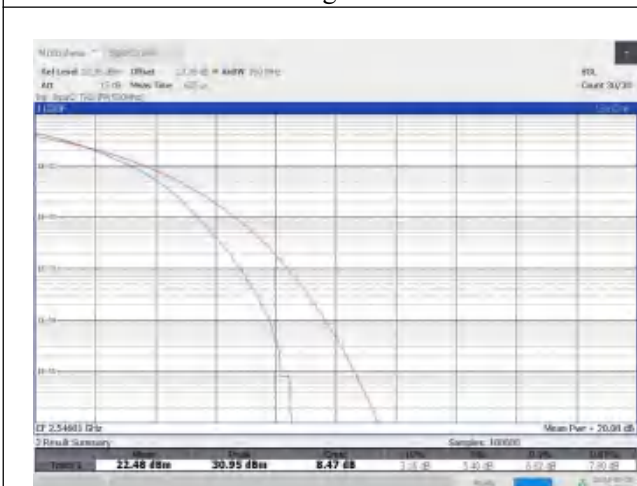


Fig.13

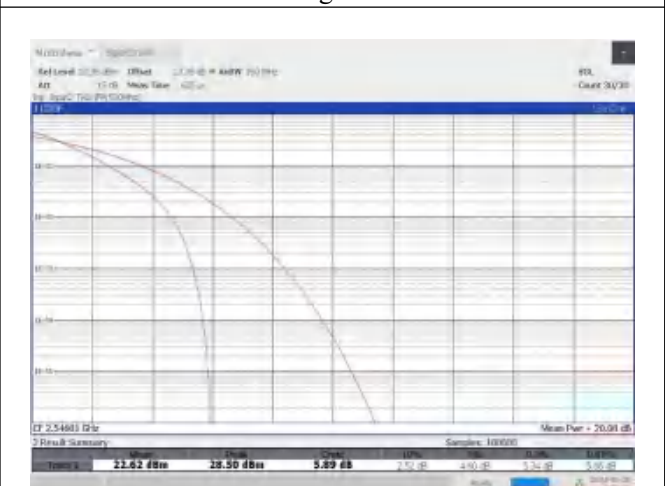


Fig.14

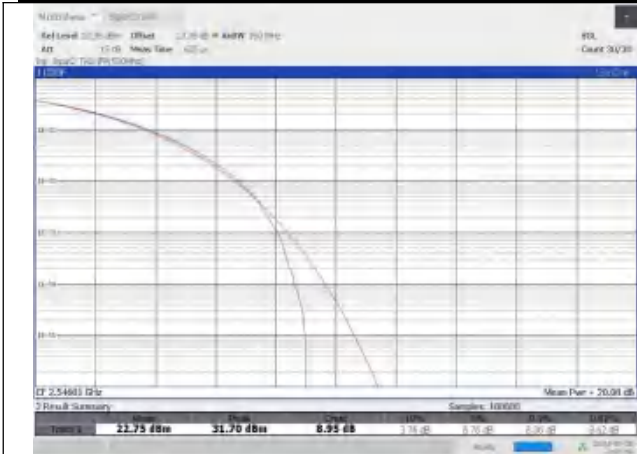


Fig.15



Fig.16

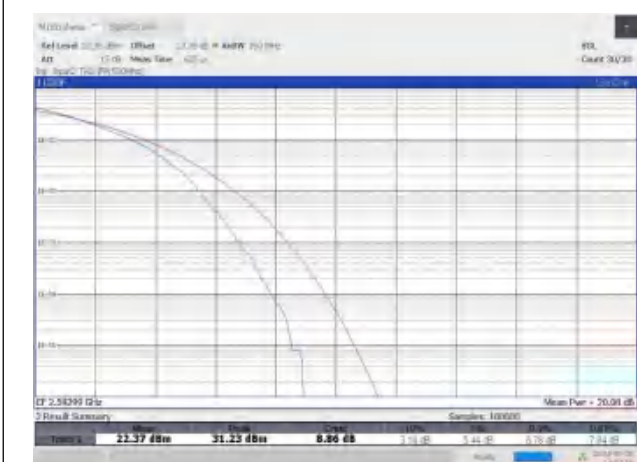


Fig.17

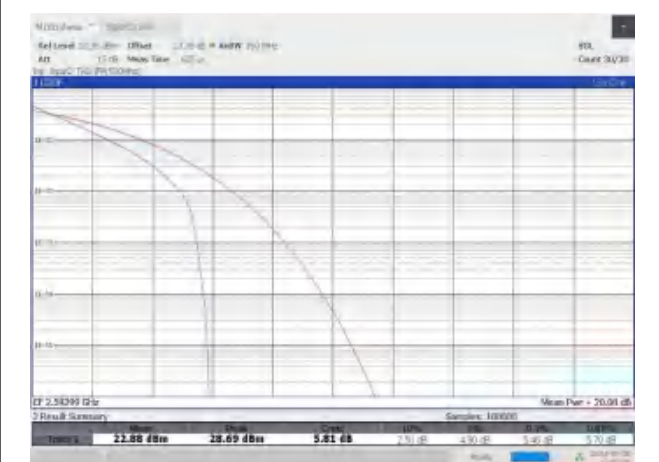


Fig.18

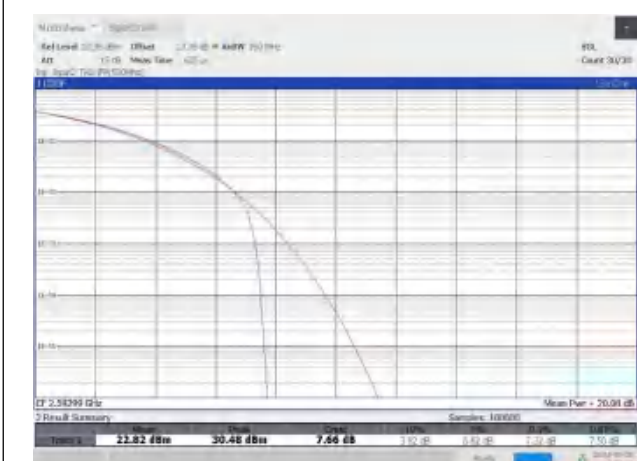


Fig.19

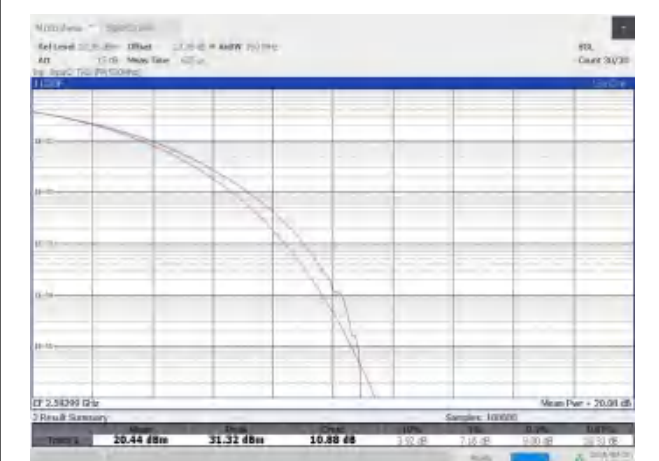


Fig.20

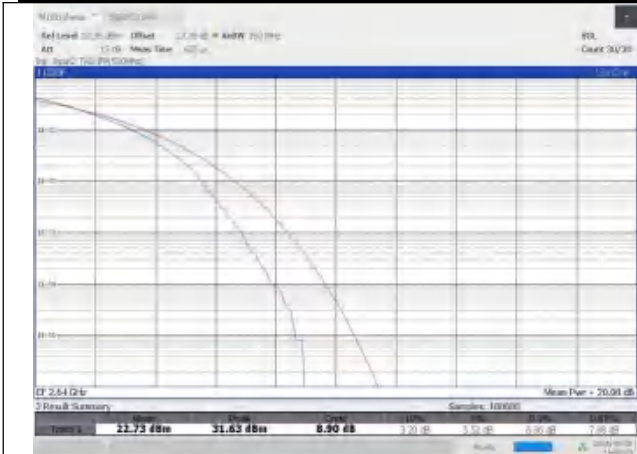


Fig.21

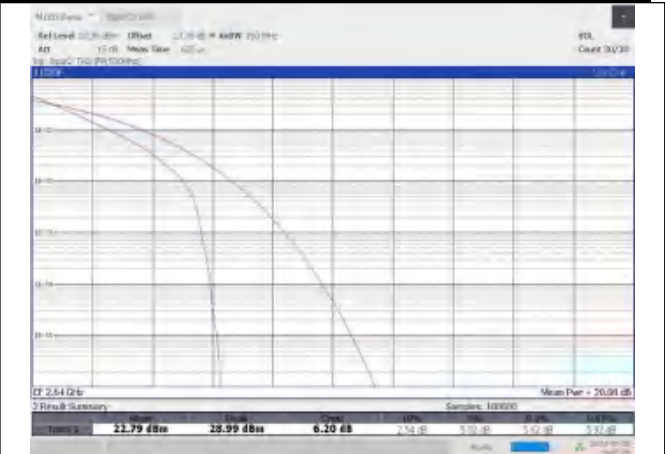


Fig.22

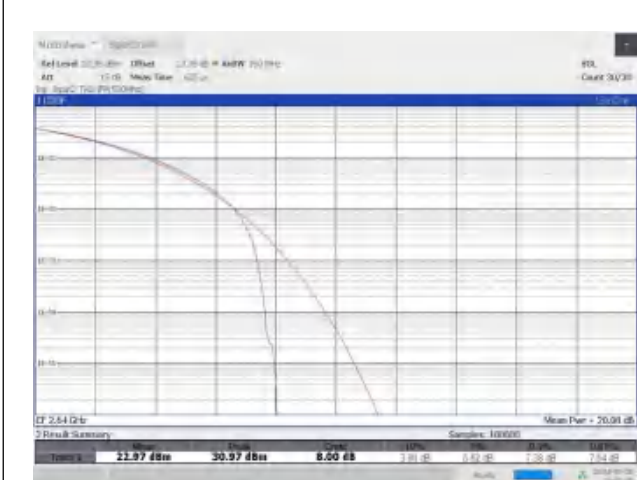


Fig.23

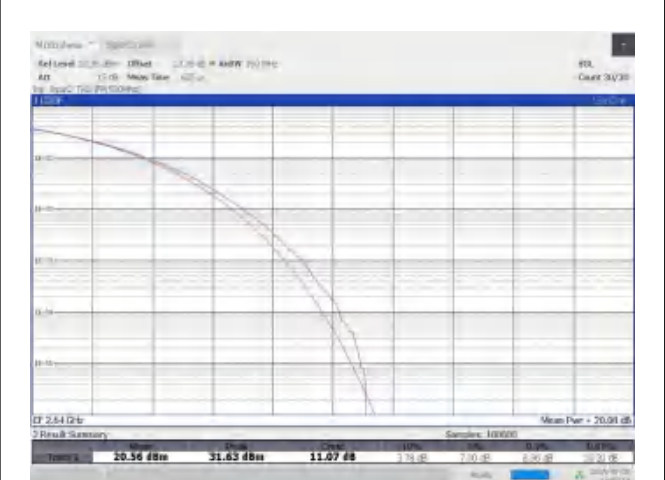
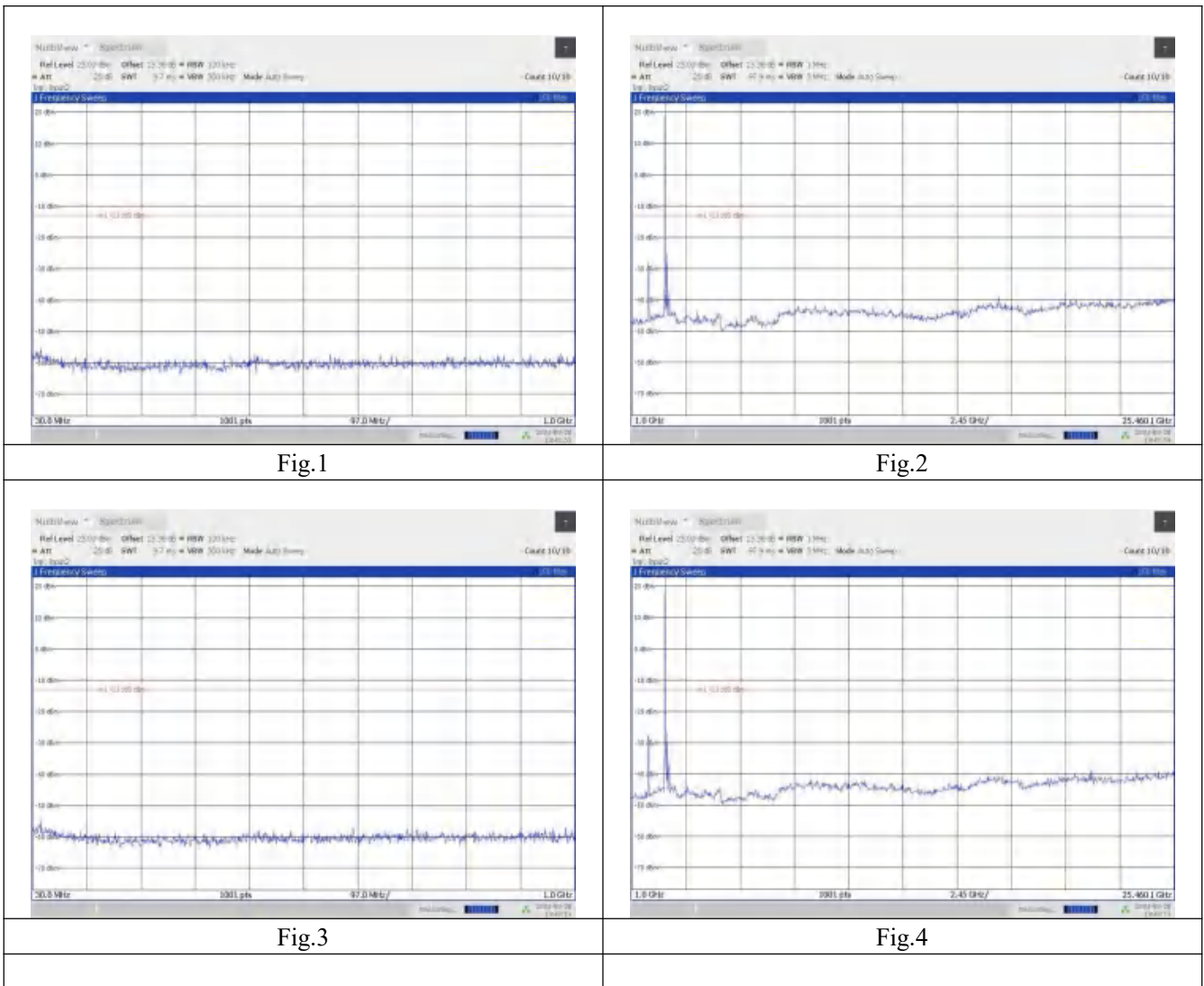


Fig.24

5 Spurious Emissions at antenna terminal

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted Spurious Plot | |
|----------------------|-------------------------|------------|----------|---------|-----------|-------------------------|--------|
| | | | | | | 30M~1G | 1G~20G |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | Fig.1 | Fig.2 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | Fig.3 | Fig.4 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | Fig.5 | Fig.6 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | Fig.7 | Fig.8 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | Fig.9 | Fig.10 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | Fig.11 | Fig.12 |

Test Plot:



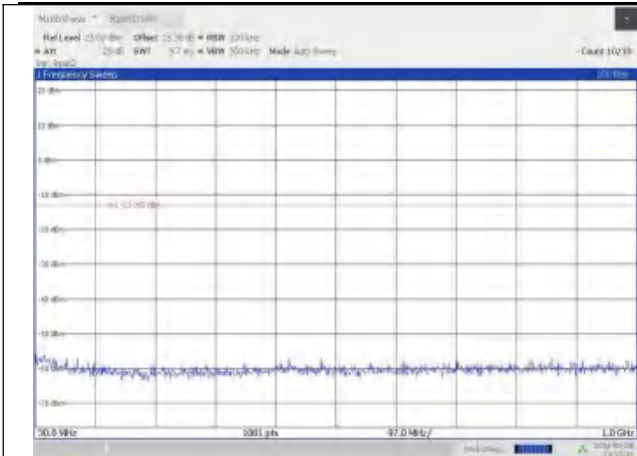


Fig.5

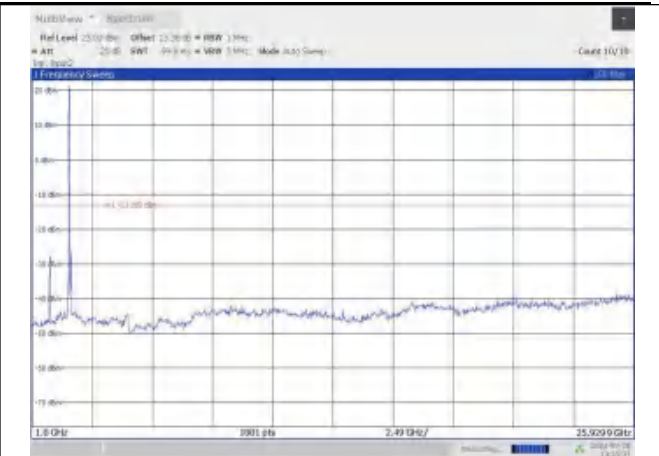


Fig.6

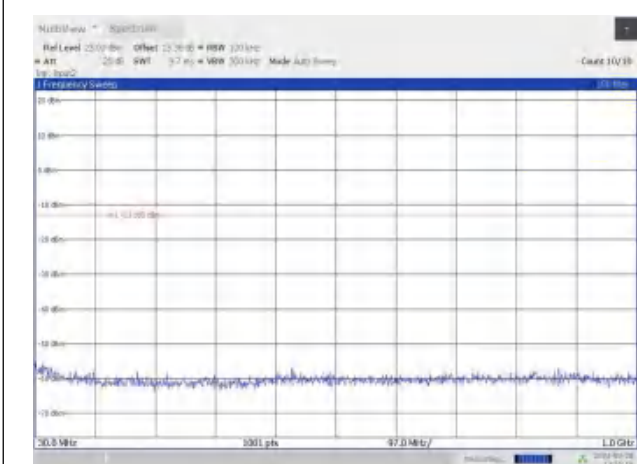


Fig.7

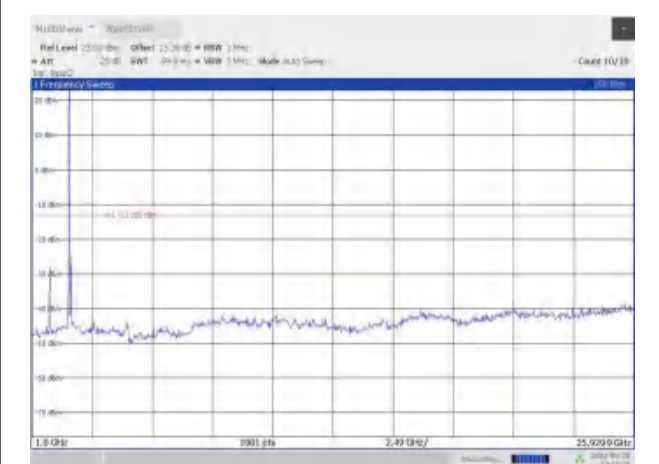


Fig.8

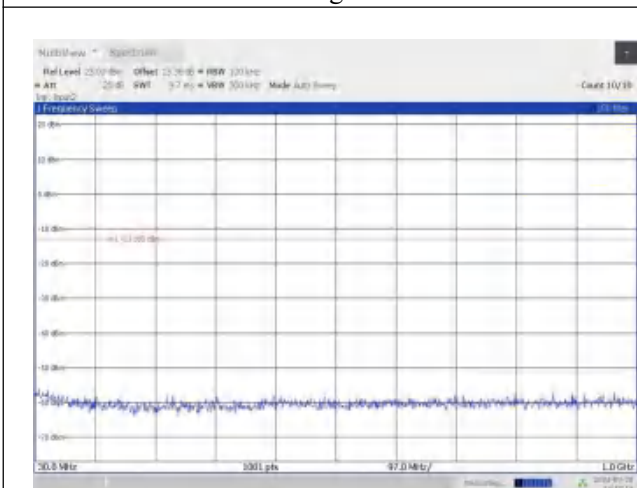


Fig.9

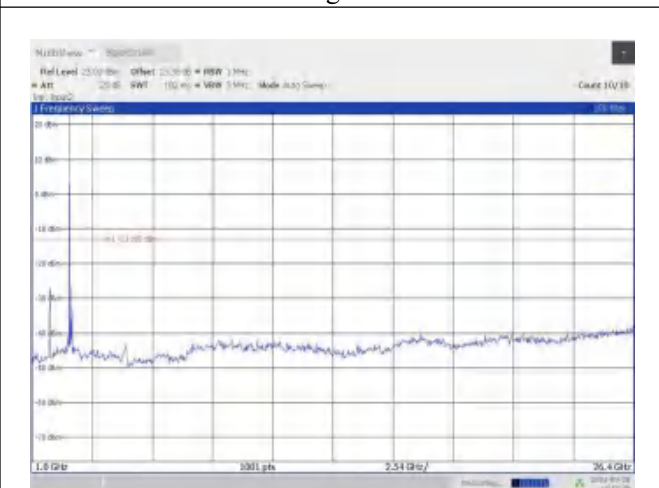


Fig.10

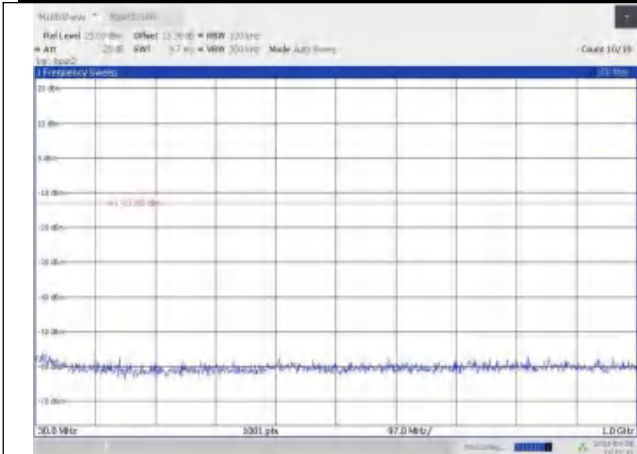


Fig.11

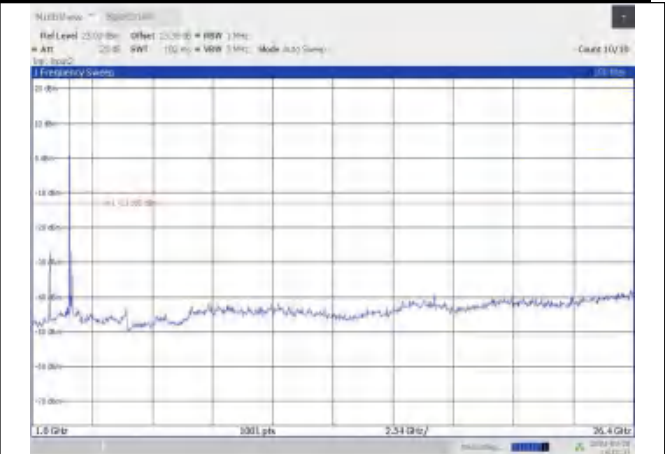


Fig.12



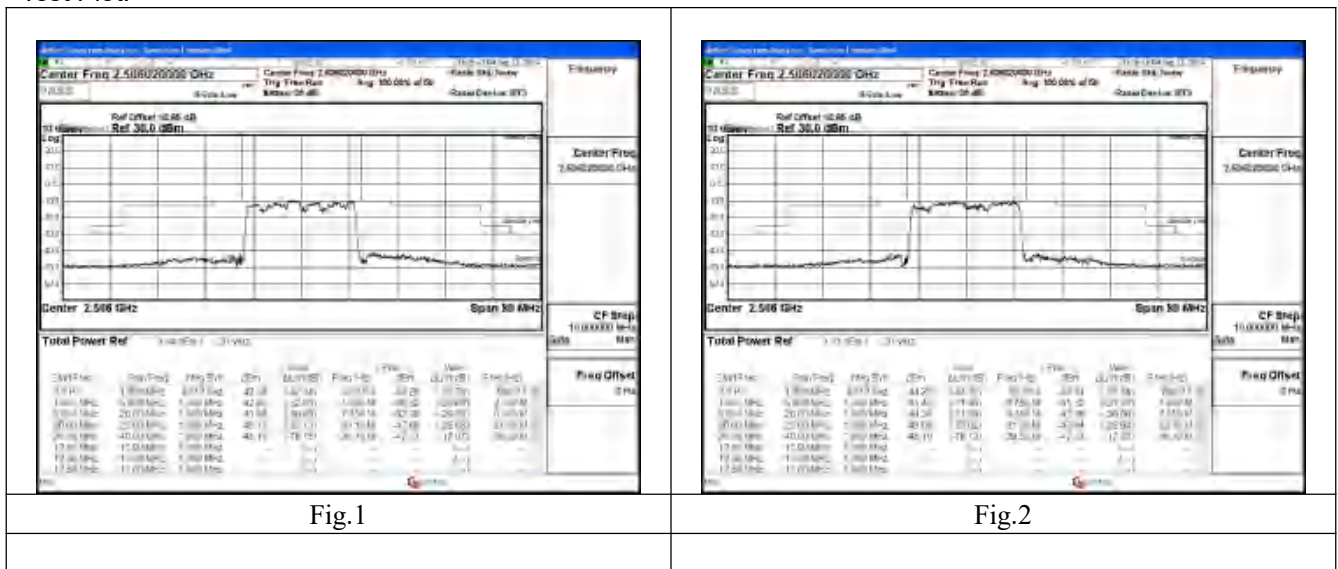
6 Band Edges Compliance

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Band Edges Plot |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------|
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | Fig.1 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | Fig.2 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | Fig.3 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 51 | 0 | Fig.4 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 50 | Fig.5 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 50 | 0 | Fig.6 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 50 | Fig.7 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 51 | 0 | Fig.8 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | Fig.9 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 75 | 0 | Fig.10 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | Fig.11 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 78 | 0 | Fig.12 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 77 | Fig.13 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 75 | 0 | Fig.14 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 77 | Fig.15 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 78 | 0 | Fig.16 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | Fig.17 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0 | Fig.18 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | Fig.19 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 106 | 0 | Fig.20 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 105 | Fig.21 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 100 | 0 | Fig.22 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 105 | Fig.23 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 106 | 0 | Fig.24 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | Fig.25 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | Fig.26 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | Fig.27 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 133 | 0 | Fig.28 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 132 | Fig.29 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 128 | 0 | Fig.30 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 132 | Fig.31 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 133 | 0 | Fig.32 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | Fig.33 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 162 | 0 | Fig.34 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | Fig.35 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | Fig.36 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 161 | Fig.37 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 162 | 0 | Fig.38 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 161 | Fig.39 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 162 | 0 | Fig.40 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | Fig.41 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | Fig.42 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | Fig.43 |



| | | | | | | |
|----------------------|---------|--------|-----|-----|-----|--------|
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 189 | 0 | Fig.44 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 188 | Fig.45 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 180 | 0 | Fig.46 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 188 | Fig.47 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 189 | 0 | Fig.48 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | Fig.49 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 216 | 0 | Fig.50 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | Fig.51 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 217 | 0 | Fig.52 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 216 | Fig.53 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 216 | 0 | Fig.54 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 216 | Fig.55 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 217 | 0 | Fig.56 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | Fig.57 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 243 | 0 | Fig.58 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | Fig.59 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 245 | 0 | Fig.60 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 244 | Fig.61 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 243 | 0 | Fig.62 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 244 | Fig.63 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 245 | 0 | Fig.64 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | Fig.65 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | Fig.66 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | Fig.67 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 273 | 0 | Fig.68 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 272 | Fig.69 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 270 | 0 | Fig.70 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 272 | Fig.71 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 273 | 0 | Fig.72 |

Test Plot:



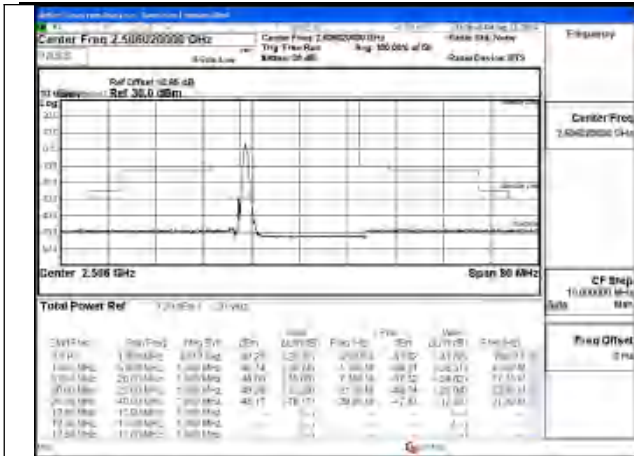


Fig.3

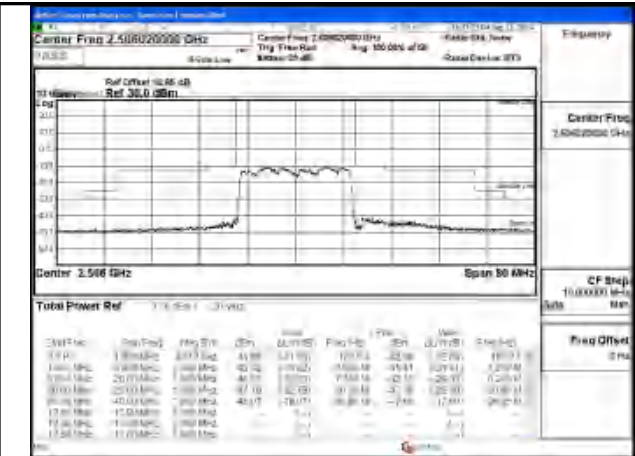


Fig.4

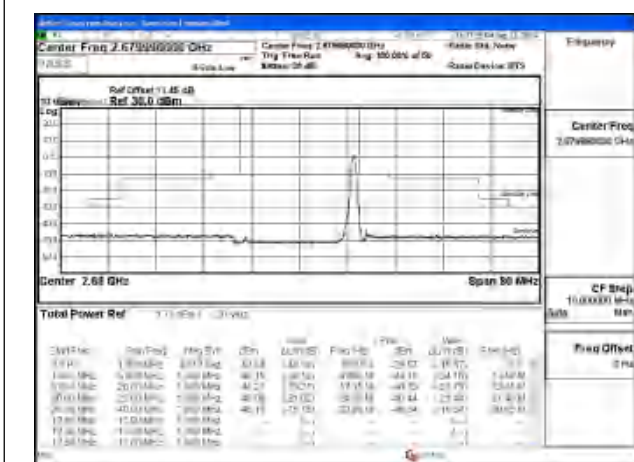


Fig.5



Fig.6

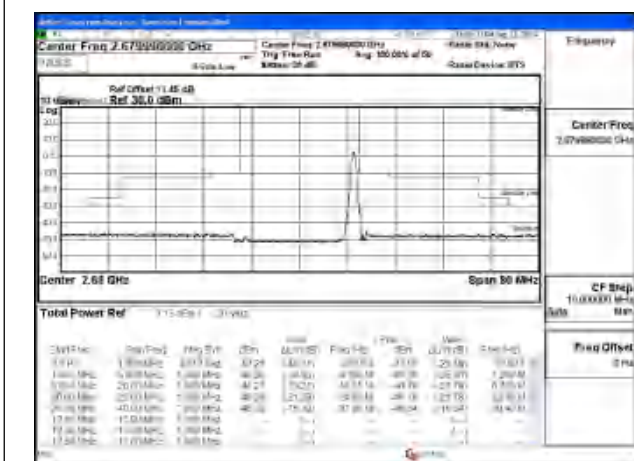


Fig.7

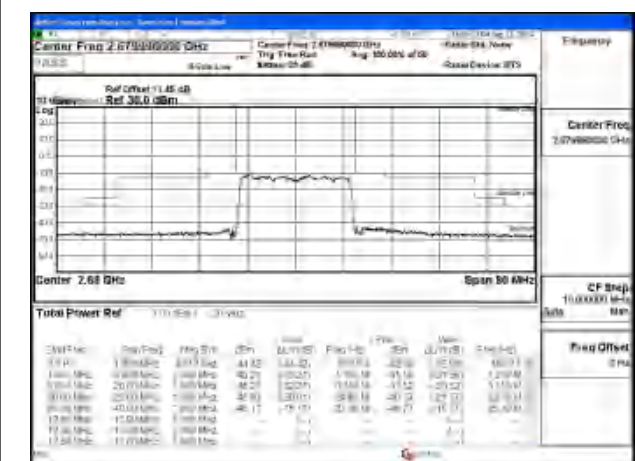


Fig.8



Fig.9



Fig.10



Fig.11



Fig.12



Fig.13

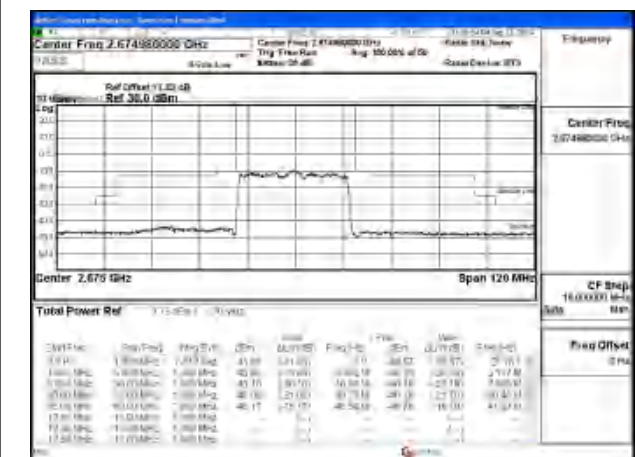


Fig.14



Fig.15

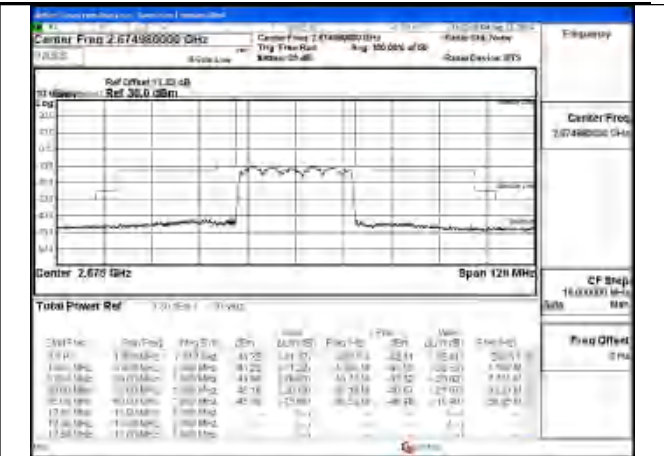


Fig.16



Fig.17

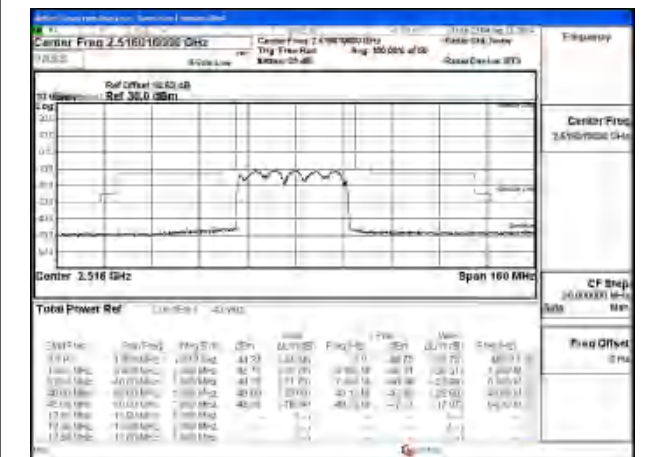


Fig.18



Fig.19



Fig.20



Fig.21

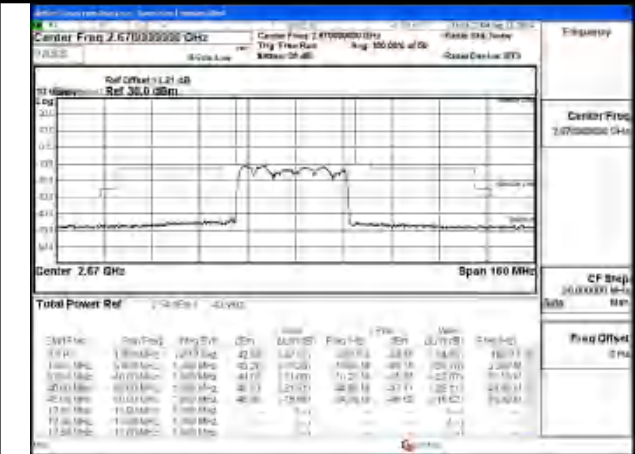


Fig.22



Fig.23

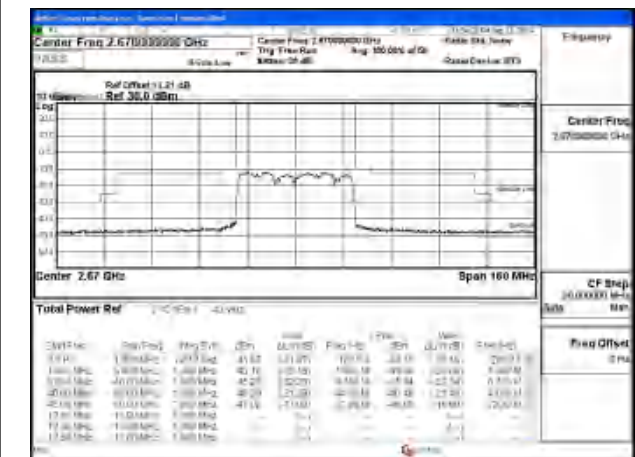


Fig.24



Fig.25

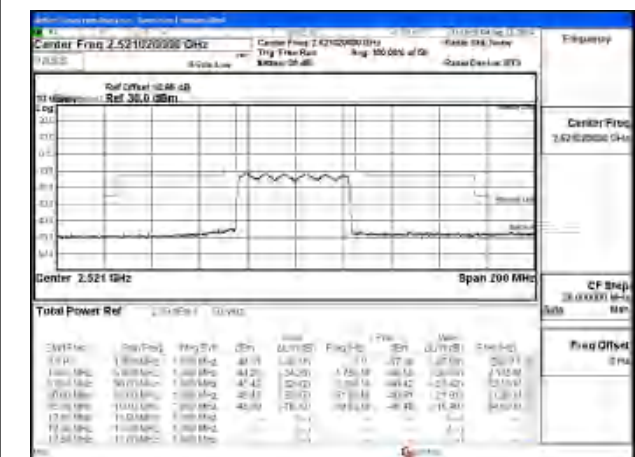


Fig.26

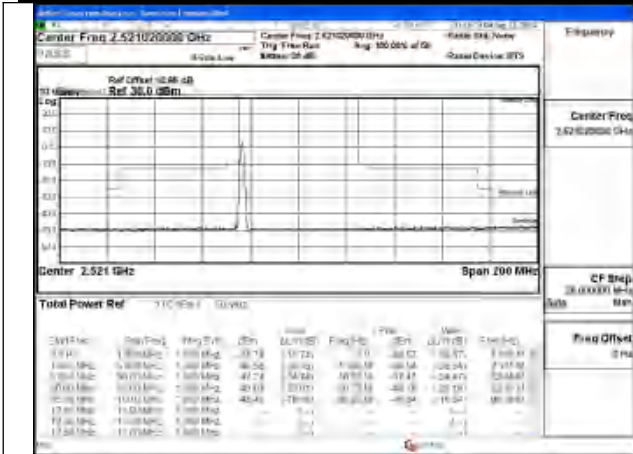


Fig.27

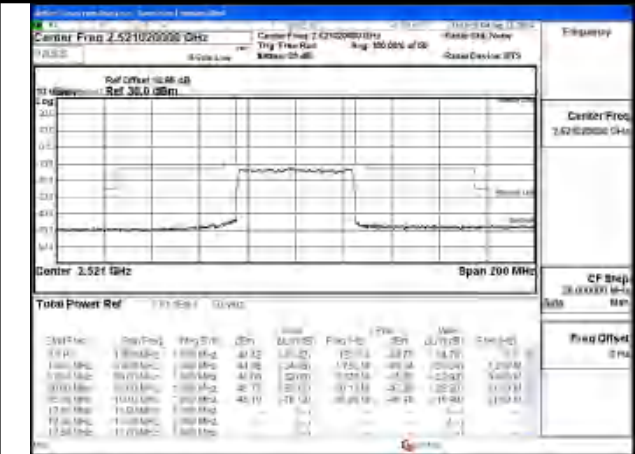


Fig.28



Fig.29



Fig.30



Fig.31



Fig.32



Fig.33



Fig.34



Fig.35



Fig.36



Fig.37



Fig.38

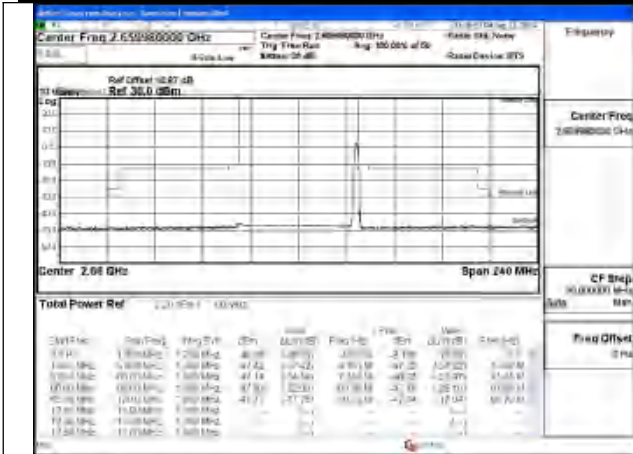


Fig.39



Fig.40



Fig.41



Fig.42



Fig.43



Fig.44

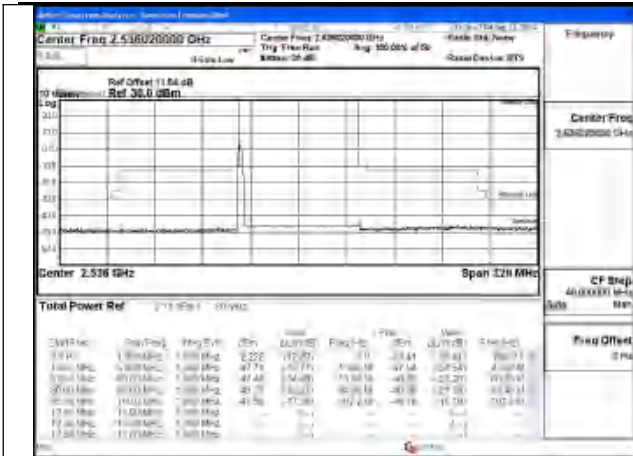


Fig.51

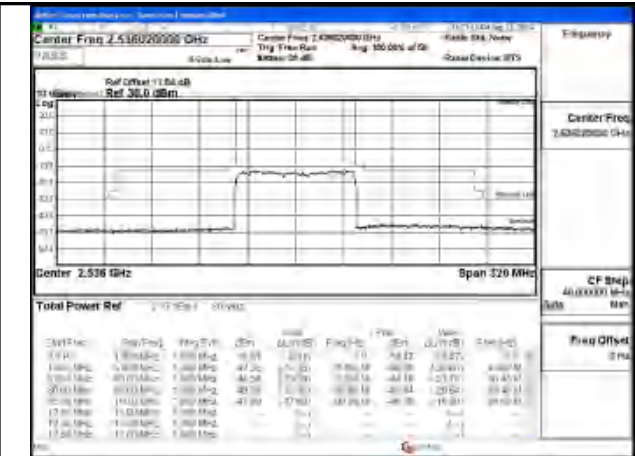


Fig.52

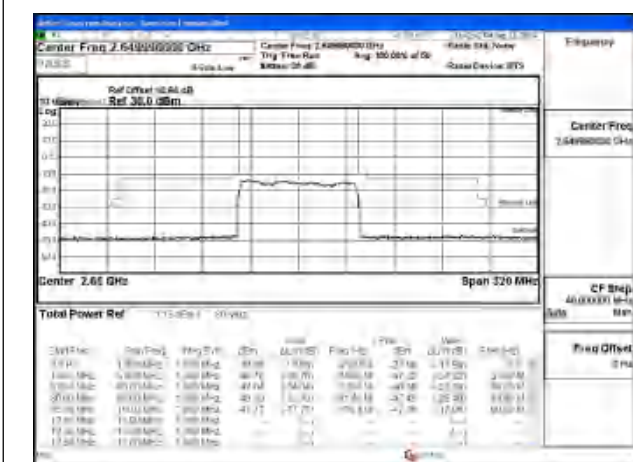


Fig.53

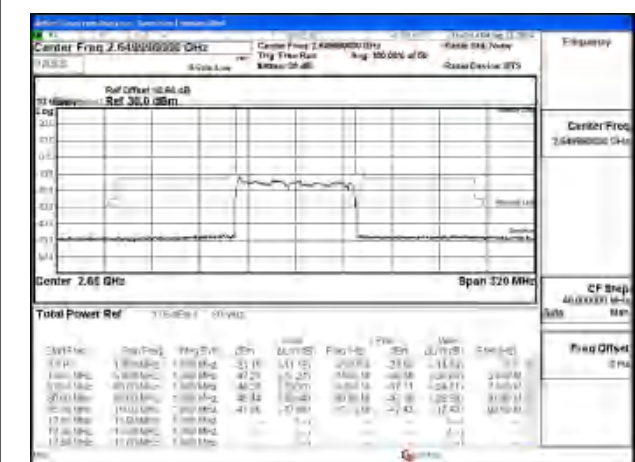


Fig.54

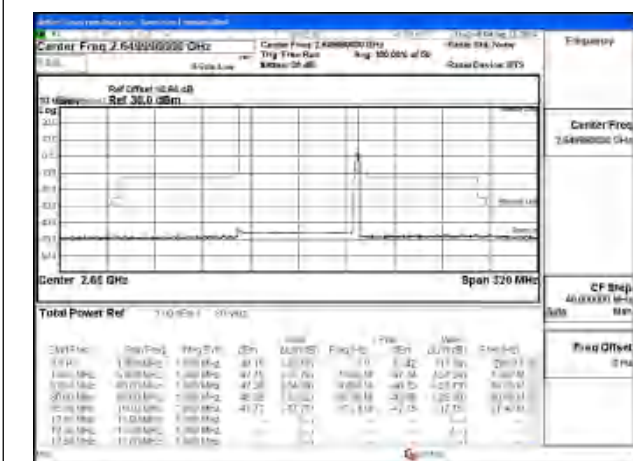


Fig.55

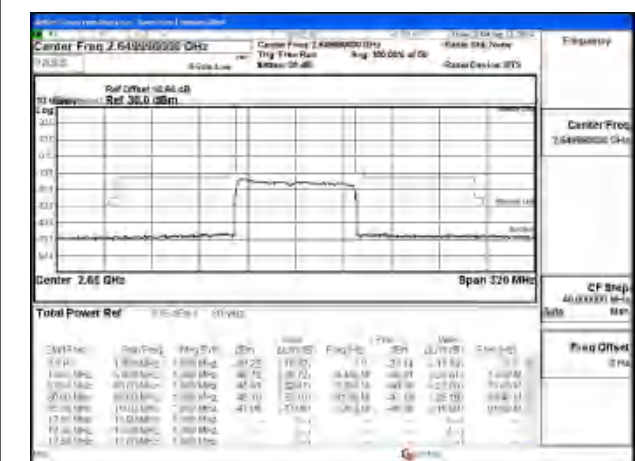


Fig.56



Fig.57



Fig.58



Fig.59

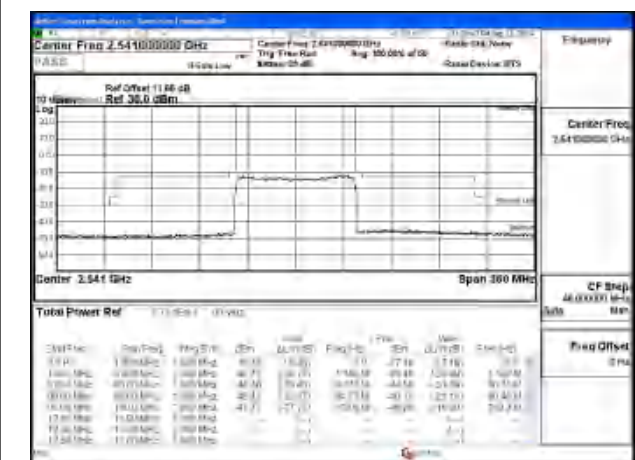


Fig.60



Fig.61



Fig.62

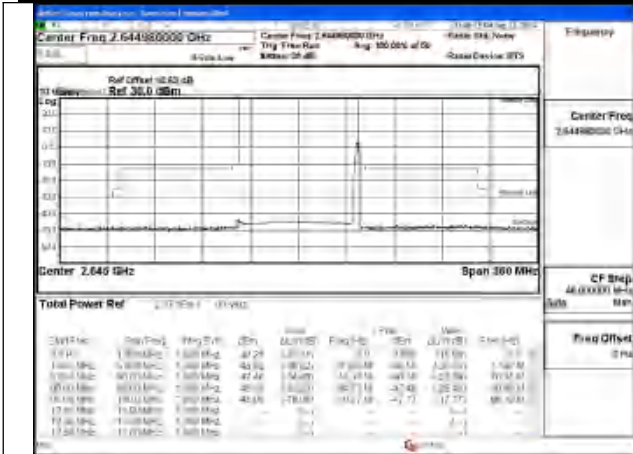


Fig.63



Fig.64



Fig.65



Fig.66



Fig.67



Fig.68



7 Frequency Stability

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Temperature (°C) | Voltage | Test Result (ppm) |
|----------------------|-------------------------|------------|----------|---------|-----------|------------------|---------|-------------------|
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | -10 | NV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 0 | NV | -0.0016 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 10 | NV | -0.0072 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 20 | NV | -0.0016 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 30 | NV | -0.0036 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 40 | NV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 55 | NV | -0.0016 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 20 | LV | -0.004 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 20 | HV | -0.0028 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | -10 | NV | -0.004 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 0 | NV | 0.0008 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 10 | NV | -0.0008 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 20 | NV | -0.0004 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 30 | NV | -0.0008 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 40 | NV | -0.0012 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 55 | NV | -0.0024 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 20 | LV | -0.0008 |
| CP-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 20 | HV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | -10 | NV | -0.0031 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 0 | NV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 10 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 20 | NV | -0.0039 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 30 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 40 | NV | -0.0058 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 55 | NV | -0.0027 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 20 | LV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 20 | 1 | 0 | 20 | HV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | -10 | NV | -0.0019 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 0 | NV | -0.0015 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 10 | NV | -0.0039 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 20 | NV | -0.0039 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 30 | NV | 0 |



| | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 40 | NV | -0.0023 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 55 | NV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 20 | LV | -0.0019 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 20 | HV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | -10 | NV | -0.0004 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 0 | NV | 0 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 10 | NV | 0 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 20 | NV | 0 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 30 | NV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 40 | NV | -0.0022 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 55 | NV | -0.0022 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 20 | LV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1 | 0 | 20 | HV | -0.0019 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | -10 | NV | -0.0007 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 0 | NV | -0.0045 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 10 | NV | -0.0041 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 20 | NV | -0.0019 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 30 | NV | -0.0037 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 40 | NV | -0.0026 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 55 | NV | -0.0004 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 20 | LV | -0.0041 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 20 | HV | -0.003 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | -10 | NV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 0 | NV | -0.0024 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 10 | NV | -0.006 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 20 | NV | -0.0036 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 30 | NV | -0.0016 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 40 | NV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 55 | NV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 20 | LV | -0.004 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 20 | HV | -0.0032 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | -10 | NV | -0.0044 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 0 | NV | -0.0028 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 10 | NV | -0.0028 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 20 | NV | -0.0028 |



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|----------------------|---------|--------|----|---|---|-----|----|---------|
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 30 | NV | -0.0024 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 40 | NV | -0.0024 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 55 | NV | -0.0032 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 20 | LV | -0.0012 |
| CP-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 20 | HV | -0.0024 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | -10 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 0 | NV | -0.0035 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 10 | NV | -0.0015 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 20 | NV | -0.0039 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 30 | NV | -0.0031 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 40 | NV | -0.0039 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 55 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 20 | LV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1 | 0 | 20 | HV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | -10 | NV | -0.0019 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 0 | NV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 10 | NV | -0.0035 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 20 | NV | -0.0035 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 30 | NV | -0.0039 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 40 | NV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 55 | NV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 20 | LV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 20 | HV | -0.0039 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | -10 | NV | -0.0127 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 0 | NV | -0.0108 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 10 | NV | -0.012 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 20 | NV | -0.0135 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 30 | NV | -0.012 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 40 | NV | -0.0135 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 55 | NV | -0.0116 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 20 | LV | -0.0116 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1 | 0 | 20 | HV | -0.0123 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | -10 | NV | -0.0037 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 0 | NV | -0.0037 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 10 | NV | -0.0026 |



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|----------------------|---------|--------|----|---|---|-----|----|---------|
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 20 | NV | -0.0045 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 30 | NV | -0.0037 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 40 | NV | -0.0004 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 55 | NV | -0.0011 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 20 | LV | -0.0034 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 20 | HV | -0.0049 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | -10 | NV | -0.0036 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 0 | NV | -0.0064 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 10 | NV | -0.004 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 20 | NV | -0.0032 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 30 | NV | -0.0068 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 40 | NV | -0.004 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 55 | NV | -0.0052 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 20 | LV | -0.0048 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 20 | HV | -0.0072 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | -10 | NV | -0.0044 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 0 | NV | -0.0016 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 10 | NV | -0.0008 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 20 | NV | -0.0032 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 30 | NV | -0.0024 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 40 | NV | -0.0024 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 55 | NV | -0.0024 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 20 | LV | -0.0024 |
| CP-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 20 | HV | -0.0052 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | -10 | NV | -0.0031 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 0 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 10 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 20 | NV | -0.0062 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 30 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 40 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 55 | NV | -0.0035 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 20 | LV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1 | 0 | 20 | HV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | -10 | NV | -0.0019 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 0 | NV | -0.0039 |



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|----------------------|---------|--------|----|---|---|-----|----|---------|
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 10 | NV | -0.0035 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 20 | NV | -0.0058 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 30 | NV | -0.0019 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 40 | NV | -0.0031 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 55 | NV | -0.0066 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 20 | LV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 20 | HV | -0.0039 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | -10 | NV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 0 | NV | -0.0034 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 10 | NV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 20 | NV | -0.0037 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 30 | NV | -0.0004 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 40 | NV | -0.0007 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 55 | NV | -0.0015 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 20 | LV | -0.0022 |
| DFT-s-OFDM PI/2 BPSK | 2670 | 534000 | 40 | 1 | 0 | 20 | HV | -0.0026 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | -10 | NV | -0.0026 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 0 | NV | 0 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 10 | NV | -0.0015 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 20 | NV | -0.0015 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 30 | NV | -0.0019 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 40 | NV | -0.0019 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 55 | NV | 0 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 20 | LV | -0.0034 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 20 | HV | -0.0041 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | -10 | NV | -0.0048 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 0 | NV | -0.0056 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 10 | NV | -0.004 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 20 | NV | -0.0024 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 30 | NV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 40 | NV | -0.0044 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 55 | NV | -0.0016 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 20 | LV | -0.0056 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 20 | HV | -0.002 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | -10 | NV | -0.002 |



| | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 0 | NV | -0.0028 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 10 | NV | -0.002 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 20 | NV | -0.004 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 30 | NV | -0.0028 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 40 | NV | -0.002 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 55 | NV | -0.0028 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 20 | LV | -0.0012 |
| CP-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 20 | HV | -0.0016 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | -10 | NV | -0.005 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 0 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 10 | NV | -0.0039 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 20 | NV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 30 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 40 | NV | -0.0035 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 55 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 20 | LV | -0.0023 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1 | 0 | 20 | HV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | -10 | NV | -0.0031 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 0 | NV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 10 | NV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 20 | NV | -0.0039 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 30 | NV | -0.0027 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 40 | NV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 55 | NV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 20 | LV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 20 | HV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | -10 | NV | -0.0053 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 0 | NV | -0.0026 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 10 | NV | -0.0008 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 20 | NV | -0.0026 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 30 | NV | -0.0038 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 40 | NV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 55 | NV | -0.0011 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 20 | LV | 0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1 | 0 | 20 | HV | -0.0015 |



| | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | -10 | NV | -0.0041 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 0 | NV | -0.0038 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 10 | NV | -0.0049 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 20 | NV | -0.0019 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 30 | NV | -0.003 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 40 | NV | -0.0038 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 55 | NV | -0.0015 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 20 | LV | -0.0019 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 20 | HV | -0.0045 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | -10 | NV | -0.0024 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 0 | NV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 10 | NV | -0.0044 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 20 | NV | -0.0036 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 30 | NV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 40 | NV | -0.0032 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 55 | NV | -0.0024 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 20 | LV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 20 | HV | -0.004 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | -10 | NV | -0.0028 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 0 | NV | -0.0048 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 10 | NV | -0.0036 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 20 | NV | -0.0024 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 30 | NV | -0.0036 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 40 | NV | -0.0032 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 55 | NV | -0.0024 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 20 | LV | -0.0008 |
| CP-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 20 | HV | -0.0024 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | -10 | NV | -0.005 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 0 | NV | 0 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 10 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 20 | NV | -0.0031 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 30 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 40 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 55 | NV | -0.0062 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 20 | LV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1 | 0 | 20 | HV | -0.0035 |



| BPSK | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | -10 | NV | -0.0062 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 0 | NV | -0.0031 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 10 | NV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 20 | NV | -0.0062 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 30 | NV | -0.0019 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 40 | NV | -0.0039 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 55 | NV | -0.0035 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 20 | LV | -0.0027 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 20 | HV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | -10 | NV | -0.006 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 0 | NV | -0.0064 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 10 | NV | -0.0041 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 20 | NV | -0.0053 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 30 | NV | -0.0075 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 40 | NV | -0.0064 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 55 | NV | -0.0083 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 20 | LV | -0.0079 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1 | 0 | 20 | HV | -0.0049 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | -10 | NV | -0.0034 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 0 | NV | -0.0038 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 10 | NV | -0.0026 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 20 | NV | -0.0049 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 30 | NV | -0.0056 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 40 | NV | -0.0049 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 55 | NV | -0.0026 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 20 | LV | -0.0045 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 20 | HV | -0.0049 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | -10 | NV | -0.0079 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 0 | NV | -0.0079 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 10 | NV | -0.0075 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 20 | NV | -0.0095 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 30 | NV | -0.0083 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 40 | NV | -0.0138 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 55 | NV | -0.0079 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 20 | LV | -0.0083 |



| | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 20 | HV | -0.0079 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | -10 | NV | -0.0032 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 0 | NV | -0.0043 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 10 | NV | -0.0047 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 20 | NV | -0.0047 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 30 | NV | -0.004 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 40 | NV | -0.0043 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 55 | NV | -0.0036 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 20 | LV | -0.0051 |
| CP-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 20 | HV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | -10 | NV | -0.005 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 0 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 10 | NV | -0.0023 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 20 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 30 | NV | -0.0031 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 40 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 55 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 20 | LV | -0.0066 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1 | 0 | 20 | HV | -0.0058 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | -10 | NV | -0.0031 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 0 | NV | -0.0062 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 10 | NV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 20 | NV | -0.0046 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 30 | NV | -0.0039 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 40 | NV | -0.0031 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 55 | NV | -0.0062 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 20 | LV | -0.0066 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 20 | HV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | -10 | NV | -0.0034 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 0 | NV | -0.006 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 10 | NV | -0.003 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 20 | NV | -0.0034 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 30 | NV | -0.003 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 40 | NV | -0.0053 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 55 | NV | -0.0038 |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 20 | LV | -0.0045 |



| | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| BPSK | | | | | | | | |
| DFT-s-OFDM PI/2 BPSK | 2655 | 531000 | 70 | 1 | 0 | 20 | HV | -0.0075 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | -10 | NV | -0.0034 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 0 | NV | -0.0038 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 10 | NV | -0.0015 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 20 | NV | -0.0053 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 30 | NV | -0.0041 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 40 | NV | -0.0049 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 55 | NV | -0.0053 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 20 | LV | -0.0056 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 20 | HV | -0.0041 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | -10 | NV | -0.0035 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 0 | NV | -0.0008 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 10 | NV | -0.0012 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 20 | NV | -0.0032 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 30 | NV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 40 | NV | -0.0012 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 55 | NV | -0.0043 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 20 | LV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 20 | HV | -0.0012 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | -10 | NV | -0.0032 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 0 | NV | -0.0012 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 10 | NV | -0.0012 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 20 | NV | -0.0008 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 30 | NV | -0.002 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 40 | NV | -0.0024 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 55 | NV | -0.0035 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 20 | LV | -0.0028 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 20 | HV | -0.0028 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | -10 | NV | -0.005 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 0 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 10 | NV | -0.0031 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 20 | NV | -0.0027 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 30 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 40 | NV | -0.0062 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 55 | NV | -0.0046 |



| | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 20 | LV | -0.005 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1 | 0 | 20 | HV | -0.0085 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | -10 | NV | -0.0027 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 0 | NV | -0.0054 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 10 | NV | -0.0031 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 20 | NV | -0.0027 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 30 | NV | -0.0054 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 40 | NV | -0.0031 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 55 | NV | -0.0035 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 20 | LV | -0.0027 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 20 | HV | -0.0066 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | -10 | NV | -0.0038 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 0 | NV | -0.0011 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 10 | NV | -0.0019 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 20 | NV | -0.0038 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 30 | NV | -0.0026 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 40 | NV | -0.0034 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 55 | NV | -0.0034 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 20 | LV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1 | 0 | 20 | HV | -0.0019 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | -10 | NV | -0.0053 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 0 | NV | -0.0068 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 10 | NV | -0.0057 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 20 | NV | -0.0064 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 30 | NV | -0.0057 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 40 | NV | -0.0023 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 55 | NV | -0.0023 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 20 | LV | -0.0057 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 20 | HV | -0.0064 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | -10 | NV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 0 | NV | 0.0004 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 10 | NV | 0.0008 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 20 | NV | -0.002 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 30 | NV | 0.0004 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 40 | NV | 0.0004 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 55 | NV | -0.0028 |



| | | | | | | | | |
|----------------------|---------|--------|----|---|---|-----|----|---------|
| BPSK | | | | | | | | |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 20 | LV | 0 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 20 | HV | -0.0008 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | -10 | NV | -0.0031 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 0 | NV | -0.0016 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 10 | NV | -0.0028 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 20 | NV | -0.0028 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 30 | NV | -0.0035 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 40 | NV | -0.0016 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 55 | NV | -0.0004 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 20 | LV | -0.0039 |
| CP-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 20 | HV | -0.0043 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | -10 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 0 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 10 | NV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 20 | NV | -0.005 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 30 | NV | -0.0062 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 40 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 55 | NV | -0.0039 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 20 | LV | -0.0069 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1 | 0 | 20 | HV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | -10 | NV | -0.0066 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 0 | NV | -0.0062 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 10 | NV | -0.0066 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 20 | NV | -0.0058 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 30 | NV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 40 | NV | -0.0035 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 55 | NV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 20 | LV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 20 | HV | -0.0058 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | -10 | NV | -0.0068 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 0 | NV | -0.0026 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 10 | NV | -0.0053 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 20 | NV | -0.0026 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 30 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 40 | NV | -0.0045 |



| | | | | | | | | |
|----------------------|---------|--------|-----|---|---|-----|----|---------|
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 55 | NV | -0.0049 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 20 | LV | -0.0038 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1 | 0 | 20 | HV | -0.0072 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | -10 | NV | -0.006 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 0 | NV | -0.0053 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 10 | NV | -0.0064 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 20 | NV | -0.0057 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 30 | NV | -0.0045 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 40 | NV | -0.0053 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 55 | NV | -0.0049 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 20 | LV | -0.0087 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 20 | HV | -0.0053 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | -10 | NV | -0.0067 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 0 | NV | -0.0075 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 10 | NV | -0.0067 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 20 | NV | -0.0094 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 30 | NV | -0.0086 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 40 | NV | -0.0075 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 55 | NV | -0.0067 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 20 | LV | -0.0063 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 20 | HV | -0.0067 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | -10 | NV | -0.0051 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 0 | NV | -0.0039 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 10 | NV | -0.0035 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 20 | NV | -0.0047 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 30 | NV | -0.0035 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 40 | NV | -0.0008 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 55 | NV | -0.0027 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 20 | LV | -0.0031 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 20 | HV | -0.0071 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | -10 | NV | -0.0042 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 0 | NV | -0.0081 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 10 | NV | -0.0054 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 20 | NV | -0.0066 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 30 | NV | -0.005 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 40 | NV | -0.0039 |



| | | | | | | | | |
|----------------------|---------|--------|-----|---|---|-----|----|---------|
| BPSK | | | | | | | | |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 55 | NV | -0.0085 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 20 | LV | -0.0046 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1 | 0 | 20 | HV | -0.0058 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | -10 | NV | -0.0019 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 0 | NV | -0.0073 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 10 | NV | -0.0069 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 20 | NV | -0.0042 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 30 | NV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 40 | NV | -0.0062 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 55 | NV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 20 | LV | -0.005 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 20 | HV | -0.0058 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | -10 | NV | -0.003 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 0 | NV | -0.0023 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 10 | NV | -0.0045 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 20 | NV | -0.0038 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 30 | NV | -0.0049 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 40 | NV | -0.0049 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 55 | NV | -0.0072 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 20 | LV | -0.0068 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1 | 0 | 20 | HV | -0.0008 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | -10 | NV | -0.0049 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 0 | NV | -0.0011 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 10 | NV | -0.0053 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 20 | NV | -0.0095 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 30 | NV | -0.0038 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 40 | NV | -0.0049 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 55 | NV | -0.0049 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 20 | LV | -0.0034 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 20 | HV | -0.0061 |



8 Effective Radiated Power and Effective Isotropic Radiated Power

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|-----------------|---------------|
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.12 | 27.02 | 0.504 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.13 | 27.03 | 0.505 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.12 | 27.02 | 0.504 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.15 | 27.05 | 0.507 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.00 | 26.90 | 0.490 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.09 | 26.99 | 0.500 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.28 | 27.18 | 0.522 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.33 | 27.23 | 0.528 |
| DFT-s-OFDM PI/2 BPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.36 | 27.26 | 0.532 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 22.92 | 26.82 | 0.481 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 50 | 22.86 | 26.76 | 0.474 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.77 | 27.67 | 0.585 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.21 | 27.11 | 0.514 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.13 | 27.03 | 0.505 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.29 | 27.19 | 0.524 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.97 | 27.87 | 0.612 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.39 | 27.29 | 0.536 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 0 | 23.18 | 27.08 | 0.511 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 1 | 50 | 23.12 | 27.02 | 0.504 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 25 | 12 | 23.87 | 27.77 | 0.598 |
| DFT-s-OFDM QPSK | 2506.02 | 501204 | 20 | 50 | 0 | 23.32 | 27.22 | 0.527 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 1 | 0 | 21.97 | 25.87 | 0.386 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 1 | 50 | 22.00 | 25.90 | 0.389 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 25 | 12 | 23.10 | 27.00 | 0.501 |
| DFT-s-OFDM 16QAM | 2506.02 | 501204 | 20 | 50 | 0 | 22.02 | 25.92 | 0.391 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 1 | 0 | 21.59 | 25.49 | 0.354 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 1 | 50 | 21.62 | 25.52 | 0.356 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 25 | 12 | 21.60 | 25.50 | 0.355 |
| DFT-s-OFDM 64QAM | 2506.02 | 501204 | 20 | 50 | 0 | 21.68 | 25.58 | 0.361 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 1 | 0 | 19.44 | 23.34 | 0.216 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 1 | 50 | 19.39 | 23.29 | 0.213 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 25 | 12 | 19.82 | 23.72 | 0.236 |
| DFT-s-OFDM 256QAM | 2506.02 | 501204 | 20 | 50 | 0 | 19.65 | 23.55 | 0.226 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 21.23 | 25.13 | 0.326 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 50 | 21.34 | 25.24 | 0.334 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 25 | 12 | 22.57 | 26.47 | 0.444 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 51 | 0 | 21.27 | 25.17 | 0.329 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 0 | 21.13 | 25.03 | 0.318 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 50 | 21.35 | 25.25 | 0.335 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 25 | 12 | 22.16 | 26.06 | 0.404 |



| | | | | | | | | |
|-------------------|---------|--------|----|----|----|-------|-------|-------|
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 51 | 0 | 21.14 | 25.04 | 0.319 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 0 | 20.40 | 24.30 | 0.269 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 50 | 20.45 | 24.35 | 0.272 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 25 | 12 | 21.18 | 25.08 | 0.322 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 20 | 51 | 0 | 20.75 | 24.65 | 0.292 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 0 | 17.65 | 21.55 | 0.143 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 50 | 17.73 | 21.63 | 0.146 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 25 | 12 | 18.07 | 21.97 | 0.157 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 20 | 51 | 0 | 18.04 | 21.94 | 0.156 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 0 | 22.25 | 26.15 | 0.412 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 50 | 22.41 | 26.31 | 0.428 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 25 | 12 | 23.30 | 27.20 | 0.525 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 20 | 50 | 0 | 22.28 | 26.18 | 0.415 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 0 | 21.63 | 25.53 | 0.357 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 1 | 50 | 21.75 | 25.65 | 0.367 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 25 | 12 | 21.90 | 25.80 | 0.380 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 20 | 50 | 0 | 21.97 | 25.87 | 0.386 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 0 | 19.66 | 23.56 | 0.227 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 1 | 50 | 19.79 | 23.69 | 0.234 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 25 | 12 | 19.98 | 23.88 | 0.244 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 20 | 50 | 0 | 19.99 | 23.89 | 0.245 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 0 | 21.46 | 25.36 | 0.344 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 1 | 50 | 21.62 | 25.52 | 0.356 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 25 | 12 | 22.93 | 26.83 | 0.482 |
| CP-OFDM QPSK | 2592.99 | 518598 | 20 | 51 | 0 | 21.51 | 25.41 | 0.348 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 0 | 21.33 | 25.23 | 0.333 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 1 | 50 | 21.54 | 25.44 | 0.350 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 25 | 12 | 22.58 | 26.48 | 0.445 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 20 | 51 | 0 | 21.50 | 25.40 | 0.347 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 0 | 20.59 | 24.49 | 0.281 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 50 | 20.83 | 24.73 | 0.297 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 25 | 12 | 21.09 | 24.99 | 0.316 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 51 | 0 | 21.03 | 24.93 | 0.311 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 0 | 17.91 | 21.81 | 0.152 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 50 | 18.11 | 22.01 | 0.159 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 25 | 12 | 18.30 | 22.20 | 0.166 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 51 | 0 | 18.30 | 22.20 | 0.166 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 0 | 22.31 | 26.21 | 0.418 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 50 | 22.17 | 26.07 | 0.405 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 25 | 12 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM 16QAM | 2679.99 | 535998 | 20 | 50 | 0 | 22.21 | 26.11 | 0.408 |
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 0 | 21.61 | 25.51 | 0.356 |
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 50 | 21.53 | 25.43 | 0.349 |
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 25 | 12 | 21.71 | 25.61 | 0.364 |
| DFT-s-OFDM 64QAM | 2679.99 | 535998 | 20 | 50 | 0 | 21.56 | 25.46 | 0.352 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 0 | 19.64 | 23.54 | 0.226 |



| | | | | | | | | |
|-------------------|---------|--------|----|----|----|-------|-------|-------|
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 50 | 19.64 | 23.54 | 0.226 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 25 | 12 | 19.94 | 23.84 | 0.242 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 50 | 0 | 19.98 | 23.88 | 0.244 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 0 | 21.49 | 25.39 | 0.346 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 1 | 50 | 21.35 | 25.25 | 0.335 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 25 | 12 | 22.90 | 26.80 | 0.479 |
| CP-OFDM QPSK | 2679.99 | 535998 | 20 | 51 | 0 | 21.44 | 25.34 | 0.342 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 0 | 21.44 | 25.34 | 0.342 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 1 | 50 | 21.39 | 25.29 | 0.338 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 25 | 12 | 22.46 | 26.36 | 0.433 |
| CP-OFDM 16QAM | 2679.99 | 535998 | 20 | 51 | 0 | 21.38 | 25.28 | 0.337 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 0 | 20.61 | 24.51 | 0.282 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 1 | 50 | 20.52 | 24.42 | 0.277 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 25 | 12 | 21.05 | 24.95 | 0.313 |
| CP-OFDM 64QAM | 2679.99 | 535998 | 20 | 51 | 0 | 20.98 | 24.88 | 0.308 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 0 | 17.96 | 21.86 | 0.153 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 1 | 50 | 17.83 | 21.73 | 0.149 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 25 | 12 | 18.29 | 22.19 | 0.166 |
| CP-OFDM 256QAM | 2679.99 | 535998 | 20 | 51 | 0 | 18.24 | 22.14 | 0.164 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|----------------|--------------|
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 23.11 | 27.01 | 0.502 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 77 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 36 | 18 | 23.14 | 27.04 | 0.506 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 75 | 0 | 23.13 | 27.03 | 0.505 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 77 | 23.22 | 27.12 | 0.515 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 36 | 18 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 75 | 0 | 23.15 | 27.05 | 0.507 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 0 | 23.35 | 27.25 | 0.531 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 1 | 77 | 23.25 | 27.15 | 0.519 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 36 | 18 | 23.29 | 27.19 | 0.524 |
| DFT-s-OFDM PI/2 BPSK | 2511 | 502200 | 30 | 75 | 0 | 23.36 | 27.26 | 0.532 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 23.05 | 26.95 | 0.495 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 77 | 23.10 | 27.00 | 0.501 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 36 | 18 | 23.76 | 27.66 | 0.583 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 75 | 0 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 23.28 | 27.18 | 0.522 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 77 | 23.43 | 27.33 | 0.541 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 36 | 18 | 23.99 | 27.89 | 0.615 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 75 | 0 | 23.51 | 27.41 | 0.551 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 0 | 23.35 | 27.25 | 0.531 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 1 | 77 | 23.11 | 27.01 | 0.502 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 36 | 18 | 23.78 | 27.68 | 0.586 |
| DFT-s-OFDM QPSK | 2511 | 502200 | 30 | 75 | 0 | 23.25 | 27.15 | 0.519 |



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|-------------------|---------|--------|----|----|----|-------|-------|-------|
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 1 | 0 | 22.18 | 26.08 | 0.406 |
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 1 | 77 | 22.23 | 26.13 | 0.410 |
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 36 | 18 | 23.06 | 26.96 | 0.497 |
| DFT-s-OFDM 16QAM | 2511 | 502200 | 30 | 75 | 0 | 22.25 | 26.15 | 0.412 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 1 | 0 | 21.45 | 25.35 | 0.343 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 1 | 77 | 21.54 | 25.44 | 0.350 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 36 | 18 | 21.65 | 25.55 | 0.359 |
| DFT-s-OFDM 64QAM | 2511 | 502200 | 30 | 75 | 0 | 21.78 | 25.68 | 0.370 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 1 | 0 | 19.45 | 23.35 | 0.216 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 1 | 77 | 19.69 | 23.59 | 0.229 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 36 | 18 | 20.01 | 23.91 | 0.246 |
| DFT-s-OFDM 256QAM | 2511 | 502200 | 30 | 75 | 0 | 19.77 | 23.67 | 0.233 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 21.25 | 25.15 | 0.327 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 77 | 21.36 | 25.26 | 0.336 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 39 | 19 | 22.48 | 26.38 | 0.435 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 78 | 0 | 21.32 | 25.22 | 0.333 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 0 | 21.27 | 25.17 | 0.329 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 77 | 21.30 | 25.20 | 0.331 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 39 | 19 | 22.24 | 26.14 | 0.411 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 78 | 0 | 21.26 | 25.16 | 0.328 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 0 | 20.53 | 24.43 | 0.277 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 77 | 20.65 | 24.55 | 0.285 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 39 | 19 | 20.92 | 24.82 | 0.303 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 30 | 78 | 0 | 21.11 | 25.01 | 0.317 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 0 | 17.84 | 21.74 | 0.149 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 77 | 17.90 | 21.80 | 0.151 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 39 | 19 | 18.04 | 21.94 | 0.156 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 30 | 78 | 0 | 18.20 | 22.10 | 0.162 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 0 | 22.40 | 26.30 | 0.427 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 77 | 22.55 | 26.45 | 0.442 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 36 | 18 | 23.27 | 27.17 | 0.521 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 30 | 75 | 0 | 22.10 | 26.00 | 0.398 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 0 | 21.76 | 25.66 | 0.368 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 1 | 77 | 21.89 | 25.79 | 0.379 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 36 | 18 | 21.95 | 25.85 | 0.385 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 30 | 75 | 0 | 21.96 | 25.86 | 0.385 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 0 | 19.68 | 23.58 | 0.228 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 1 | 77 | 19.96 | 23.86 | 0.243 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 36 | 18 | 20.03 | 23.93 | 0.247 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 30 | 75 | 0 | 20.07 | 23.97 | 0.249 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 0 | 21.50 | 25.40 | 0.347 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 1 | 77 | 21.76 | 25.66 | 0.368 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 39 | 19 | 22.95 | 26.85 | 0.484 |
| CP-OFDM QPSK | 2592.99 | 518598 | 30 | 78 | 0 | 21.52 | 25.42 | 0.348 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 0 | 21.48 | 25.38 | 0.345 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 1 | 77 | 21.68 | 25.58 | 0.361 |



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|-------------------|---------|--------|----|----|----|-------|-------|-------|
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 39 | 19 | 22.43 | 26.33 | 0.430 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 30 | 78 | 0 | 21.40 | 25.30 | 0.339 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 0 | 20.78 | 24.68 | 0.294 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 77 | 20.98 | 24.88 | 0.308 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 39 | 19 | 21.18 | 25.08 | 0.322 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 78 | 0 | 21.10 | 25.00 | 0.316 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 0 | 18.01 | 21.91 | 0.155 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 77 | 18.13 | 22.03 | 0.160 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 39 | 19 | 18.44 | 22.34 | 0.171 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 78 | 0 | 18.42 | 22.32 | 0.171 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 0 | 22.34 | 26.24 | 0.421 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 77 | 22.18 | 26.08 | 0.406 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 36 | 18 | 23.08 | 26.98 | 0.499 |
| DFT-s-OFDM 16QAM | 2674.98 | 534996 | 30 | 75 | 0 | 22.19 | 26.09 | 0.406 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 0 | 21.63 | 25.53 | 0.357 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 77 | 21.52 | 25.42 | 0.348 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 36 | 18 | 21.70 | 25.60 | 0.363 |
| DFT-s-OFDM 64QAM | 2674.98 | 534996 | 30 | 75 | 0 | 21.75 | 25.65 | 0.367 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 0 | 19.76 | 23.66 | 0.232 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 77 | 19.46 | 23.36 | 0.217 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 36 | 18 | 19.83 | 23.73 | 0.236 |
| DFT-s-OFDM 256QAM | 2674.98 | 534996 | 30 | 75 | 0 | 19.83 | 23.73 | 0.236 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 0 | 21.47 | 25.37 | 0.344 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 1 | 77 | 21.36 | 25.26 | 0.336 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 39 | 19 | 22.69 | 26.59 | 0.456 |
| CP-OFDM QPSK | 2674.98 | 534996 | 30 | 78 | 0 | 21.34 | 25.24 | 0.334 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 0 | 21.41 | 25.31 | 0.340 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 1 | 77 | 21.29 | 25.19 | 0.330 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 39 | 19 | 22.36 | 26.26 | 0.423 |
| CP-OFDM 16QAM | 2674.98 | 534996 | 30 | 78 | 0 | 21.38 | 25.28 | 0.337 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 0 | 20.82 | 24.72 | 0.296 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 1 | 77 | 20.65 | 24.55 | 0.285 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 39 | 19 | 20.99 | 24.89 | 0.308 |
| CP-OFDM 64QAM | 2674.98 | 534996 | 30 | 78 | 0 | 20.81 | 24.71 | 0.296 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 0 | 17.95 | 21.85 | 0.153 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 1 | 77 | 17.92 | 21.82 | 0.152 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 39 | 19 | 18.18 | 22.08 | 0.161 |
| CP-OFDM 256QAM | 2674.98 | 534996 | 30 | 78 | 0 | 18.21 | 22.11 | 0.163 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|-----------------|---------------|
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.22 | 27.12 | 0.515 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.07 | 26.97 | 0.498 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.17 | 27.07 | 0.509 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.17 | 27.07 | 0.509 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 22.93 | 26.83 | 0.482 |



| | | | | | | | | |
|----------------------|---------|--------|----|-----|-----|-------|-------|-------|
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.21 | 27.11 | 0.514 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.01 | 26.91 | 0.491 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.27 | 27.17 | 0.521 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.33 | 27.23 | 0.528 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 22.99 | 26.89 | 0.489 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.07 | 26.97 | 0.498 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.74 | 27.64 | 0.581 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.27 | 27.17 | 0.521 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 105 | 23.35 | 27.25 | 0.531 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.91 | 27.81 | 0.604 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.45 | 27.35 | 0.543 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 0 | 23.26 | 27.16 | 0.520 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 1 | 105 | 22.89 | 26.79 | 0.478 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 50 | 25 | 23.86 | 27.76 | 0.597 |
| DFT-s-OFDM QPSK | 2516.01 | 503202 | 40 | 100 | 0 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 1 | 0 | 22.06 | 25.96 | 0.394 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 1 | 105 | 22.13 | 26.03 | 0.401 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 50 | 25 | 23.04 | 26.94 | 0.494 |
| DFT-s-OFDM 16QAM | 2516.01 | 503202 | 40 | 100 | 0 | 22.17 | 26.07 | 0.405 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 1 | 0 | 21.39 | 25.29 | 0.338 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 1 | 105 | 21.47 | 25.37 | 0.344 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 50 | 25 | 21.76 | 25.66 | 0.368 |
| DFT-s-OFDM 64QAM | 2516.01 | 503202 | 40 | 100 | 0 | 21.68 | 25.58 | 0.361 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 1 | 0 | 19.45 | 23.35 | 0.216 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 1 | 105 | 19.54 | 23.44 | 0.221 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 50 | 25 | 20.06 | 23.96 | 0.249 |
| DFT-s-OFDM 256QAM | 2516.01 | 503202 | 40 | 100 | 0 | 19.77 | 23.67 | 0.233 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 21.22 | 25.12 | 0.325 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 105 | 21.26 | 25.16 | 0.328 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 53 | 26 | 22.70 | 26.60 | 0.457 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 106 | 0 | 21.31 | 25.21 | 0.332 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 0 | 21.22 | 25.12 | 0.325 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 105 | 21.27 | 25.17 | 0.329 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 53 | 26 | 22.29 | 26.19 | 0.416 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 106 | 0 | 21.23 | 25.13 | 0.326 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 0 | 20.36 | 24.26 | 0.267 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 105 | 20.48 | 24.38 | 0.274 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 53 | 26 | 20.92 | 24.82 | 0.303 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 40 | 106 | 0 | 20.82 | 24.72 | 0.296 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 0 | 17.83 | 21.73 | 0.149 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 105 | 17.74 | 21.64 | 0.146 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 53 | 26 | 18.19 | 22.09 | 0.162 |



| | | | | | | | | |
|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM 256QAM | 2592.99 | 518598 | 40 | 106 | 0 | 18.13 | 22.03 | 0.160 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 0 | 22.24 | 26.14 | 0.411 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 105 | 22.44 | 26.34 | 0.431 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 50 | 25 | 23.26 | 27.16 | 0.520 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 40 | 100 | 0 | 22.46 | 26.36 | 0.433 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 0 | 21.60 | 25.50 | 0.355 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 1 | 105 | 21.77 | 25.67 | 0.369 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 50 | 25 | 22.04 | 25.94 | 0.393 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 40 | 100 | 0 | 22.07 | 25.97 | 0.395 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 0 | 19.67 | 23.57 | 0.228 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 1 | 105 | 19.78 | 23.68 | 0.233 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 50 | 25 | 20.11 | 24.01 | 0.252 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 40 | 100 | 0 | 19.97 | 23.87 | 0.244 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 0 | 21.41 | 25.31 | 0.340 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 1 | 105 | 21.58 | 25.48 | 0.353 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 53 | 26 | 22.98 | 26.88 | 0.488 |
| CP-OFDM QPSK | 2592.99 | 518598 | 40 | 106 | 0 | 21.62 | 25.52 | 0.356 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 0 | 21.41 | 25.31 | 0.340 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 1 | 105 | 21.59 | 25.49 | 0.354 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 53 | 26 | 22.57 | 26.47 | 0.444 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 40 | 106 | 0 | 21.55 | 25.45 | 0.351 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 0 | 20.63 | 24.53 | 0.284 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 105 | 20.84 | 24.74 | 0.298 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 53 | 26 | 21.15 | 25.05 | 0.320 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 106 | 0 | 21.07 | 24.97 | 0.314 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 0 | 17.85 | 21.75 | 0.150 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 105 | 18.03 | 21.93 | 0.156 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 53 | 26 | 18.37 | 22.27 | 0.169 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 106 | 0 | 18.37 | 22.27 | 0.169 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 0 | 22.28 | 26.18 | 0.415 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 105 | 21.96 | 25.86 | 0.385 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 50 | 25 | 22.97 | 26.87 | 0.486 |
| DFT-s-OFDM 16QAM | 2670 | 534000 | 40 | 100 | 0 | 22.15 | 26.05 | 0.403 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 0 | 21.61 | 25.51 | 0.356 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 105 | 21.32 | 25.22 | 0.333 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 50 | 25 | 21.67 | 25.57 | 0.361 |
| DFT-s-OFDM 64QAM | 2670 | 534000 | 40 | 100 | 0 | 21.78 | 25.68 | 0.370 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 0 | 19.66 | 23.56 | 0.227 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 105 | 19.36 | 23.26 | 0.212 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 50 | 25 | 19.86 | 23.76 | 0.238 |
| DFT-s-OFDM 256QAM | 2670 | 534000 | 40 | 100 | 0 | 19.88 | 23.78 | 0.239 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 0 | 21.49 | 25.39 | 0.346 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 1 | 105 | 21.15 | 25.05 | 0.320 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 53 | 26 | 22.72 | 26.62 | 0.459 |
| CP-OFDM QPSK | 2670 | 534000 | 40 | 106 | 0 | 21.43 | 25.33 | 0.341 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 0 | 21.36 | 25.26 | 0.336 |



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|----------------|------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 1 | 105 | 21.04 | 24.94 | 0.312 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 53 | 26 | 22.22 | 26.12 | 0.409 |
| CP-OFDM 16QAM | 2670 | 534000 | 40 | 106 | 0 | 21.21 | 25.11 | 0.324 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 0 | 20.62 | 24.52 | 0.283 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 1 | 105 | 20.24 | 24.14 | 0.259 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 53 | 26 | 20.84 | 24.74 | 0.298 |
| CP-OFDM 64QAM | 2670 | 534000 | 40 | 106 | 0 | 20.85 | 24.75 | 0.299 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 0 | 17.93 | 21.83 | 0.152 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1 | 105 | 17.83 | 21.73 | 0.149 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 53 | 26 | 18.39 | 22.29 | 0.169 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 106 | 0 | 18.16 | 22.06 | 0.161 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|-----------------|---------------|
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.15 | 27.05 | 0.507 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.15 | 27.05 | 0.507 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.17 | 27.07 | 0.509 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.17 | 27.07 | 0.509 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.26 | 27.16 | 0.520 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.12 | 27.02 | 0.504 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.30 | 27.20 | 0.525 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.34 | 27.24 | 0.530 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.26 | 27.16 | 0.520 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.36 | 27.26 | 0.532 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.18 | 27.08 | 0.511 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.27 | 27.17 | 0.521 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 64 | 32 | 23.84 | 27.74 | 0.594 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.41 | 27.31 | 0.538 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.40 | 27.30 | 0.537 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.49 | 27.39 | 0.548 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 64 | 32 | 24.12 | 28.02 | 0.634 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.65 | 27.55 | 0.569 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 0 | 23.37 | 27.27 | 0.533 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 1 | 132 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 64 | 32 | 24.09 | 27.99 | 0.630 |
| DFT-s-OFDM QPSK | 2521.02 | 504204 | 50 | 128 | 0 | 23.46 | 27.36 | 0.545 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 1 | 0 | 22.32 | 26.22 | 0.419 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 1 | 132 | 22.41 | 26.31 | 0.428 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 64 | 32 | 23.28 | 27.18 | 0.522 |
| DFT-s-OFDM 16QAM | 2521.02 | 504204 | 50 | 128 | 0 | 22.32 | 26.22 | 0.419 |
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 1 | 0 | 21.64 | 25.54 | 0.358 |
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 1 | 132 | 21.86 | 25.76 | 0.377 |
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 64 | 32 | 21.96 | 25.86 | 0.385 |
| DFT-s-OFDM 64QAM | 2521.02 | 504204 | 50 | 128 | 0 | 21.94 | 25.84 | 0.384 |



| | | | | | | | | |
|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 1 | 0 | 19.68 | 23.58 | 0.228 |
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 1 | 132 | 19.69 | 23.59 | 0.229 |
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 64 | 32 | 19.92 | 23.82 | 0.241 |
| DFT-s-OFDM 256QAM | 2521.02 | 504204 | 50 | 128 | 0 | 20.02 | 23.92 | 0.247 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 21.41 | 25.31 | 0.340 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 132 | 21.57 | 25.47 | 0.352 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 67 | 33 | 22.86 | 26.76 | 0.474 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 133 | 0 | 21.35 | 25.25 | 0.335 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 0 | 21.44 | 25.34 | 0.342 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 132 | 21.56 | 25.46 | 0.352 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 67 | 33 | 22.47 | 26.37 | 0.434 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 133 | 0 | 21.38 | 25.28 | 0.337 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 0 | 20.74 | 24.64 | 0.291 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 132 | 20.82 | 24.72 | 0.296 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 67 | 33 | 21.08 | 24.98 | 0.315 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 50 | 133 | 0 | 20.92 | 24.82 | 0.303 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 0 | 17.90 | 21.80 | 0.151 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 132 | 18.07 | 21.97 | 0.157 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 67 | 33 | 18.39 | 22.29 | 0.169 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 133 | 0 | 18.27 | 22.17 | 0.165 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 0 | 22.35 | 26.25 | 0.422 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 132 | 22.60 | 26.50 | 0.447 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 64 | 32 | 23.49 | 27.39 | 0.548 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 50 | 128 | 0 | 22.53 | 26.43 | 0.440 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 0 | 21.74 | 25.64 | 0.366 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 1 | 132 | 21.90 | 25.80 | 0.380 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 64 | 32 | 22.05 | 25.95 | 0.394 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 50 | 128 | 0 | 22.06 | 25.96 | 0.394 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 0 | 19.86 | 23.76 | 0.238 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 1 | 132 | 20.04 | 23.94 | 0.248 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 64 | 32 | 20.13 | 24.03 | 0.253 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 50 | 128 | 0 | 20.16 | 24.06 | 0.255 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 0 | 21.59 | 25.49 | 0.354 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 1 | 132 | 21.74 | 25.64 | 0.366 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 67 | 33 | 23.68 | 27.58 | 0.573 |
| CP-OFDM QPSK | 2592.99 | 518598 | 50 | 133 | 0 | 21.59 | 25.49 | 0.354 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 0 | 21.60 | 25.50 | 0.355 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 1 | 132 | 21.70 | 25.60 | 0.363 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 67 | 33 | 22.56 | 26.46 | 0.443 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 50 | 133 | 0 | 21.54 | 25.44 | 0.350 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 0 | 20.64 | 24.54 | 0.284 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 132 | 21.04 | 24.94 | 0.312 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 67 | 33 | 21.16 | 25.06 | 0.321 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 133 | 0 | 21.18 | 25.08 | 0.322 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 0 | 18.09 | 21.99 | 0.158 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 132 | 18.18 | 22.08 | 0.161 |



| | | | | | | | | |
|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 67 | 33 | 18.43 | 22.33 | 0.171 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 18.76 | 22.66 | 0.185 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 0 | 22.39 | 26.29 | 0.426 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 132 | 22.40 | 26.30 | 0.427 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 64 | 32 | 23.43 | 27.33 | 0.541 |
| DFT-s-OFDM 16QAM | 2664.99 | 532998 | 50 | 128 | 0 | 22.40 | 26.30 | 0.427 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 0 | 21.76 | 25.66 | 0.368 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 132 | 21.66 | 25.56 | 0.360 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 64 | 32 | 21.95 | 25.85 | 0.385 |
| DFT-s-OFDM 64QAM | 2664.99 | 532998 | 50 | 128 | 0 | 21.93 | 25.83 | 0.383 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 0 | 19.90 | 23.80 | 0.240 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 132 | 19.66 | 23.56 | 0.227 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 64 | 32 | 20.29 | 24.19 | 0.262 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 128 | 0 | 19.99 | 23.89 | 0.245 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 0 | 21.55 | 25.45 | 0.351 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 1 | 132 | 21.37 | 25.27 | 0.337 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 67 | 33 | 22.88 | 26.78 | 0.476 |
| CP-OFDM QPSK | 2664.99 | 532998 | 50 | 133 | 0 | 21.43 | 25.33 | 0.341 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 0 | 21.56 | 25.46 | 0.352 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 1 | 132 | 21.52 | 25.42 | 0.348 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 67 | 33 | 22.46 | 26.36 | 0.433 |
| CP-OFDM 16QAM | 2664.99 | 532998 | 50 | 133 | 0 | 21.49 | 25.39 | 0.346 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 0 | 20.77 | 24.67 | 0.293 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 1 | 132 | 20.93 | 24.83 | 0.304 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 67 | 33 | 21.17 | 25.07 | 0.321 |
| CP-OFDM 64QAM | 2664.99 | 532998 | 50 | 133 | 0 | 20.99 | 24.89 | 0.308 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 0 | 18.12 | 22.02 | 0.159 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 1 | 132 | 18.13 | 22.03 | 0.160 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 67 | 33 | 18.44 | 22.34 | 0.171 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 18.33 | 22.23 | 0.167 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|-----------------|---------------|
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 23.18 | 27.08 | 0.511 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 161 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 81 | 40 | 23.12 | 27.02 | 0.504 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 162 | 0 | 23.13 | 27.03 | 0.505 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 161 | 23.15 | 27.05 | 0.507 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 81 | 40 | 22.92 | 26.82 | 0.481 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 162 | 0 | 23.17 | 27.07 | 0.509 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 0 | 23.32 | 27.22 | 0.527 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 1 | 161 | 23.23 | 27.13 | 0.516 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 81 | 40 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM PI/2 BPSK | 2526 | 505200 | 60 | 162 | 0 | 23.32 | 27.22 | 0.527 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 23.08 | 26.98 | 0.499 |



| | | | | | | | | |
|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 161 | 23.26 | 27.16 | 0.520 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 81 | 40 | 23.62 | 27.52 | 0.565 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 23.26 | 27.16 | 0.520 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 23.08 | 26.98 | 0.499 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 161 | 23.27 | 27.17 | 0.521 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 81 | 40 | 23.78 | 27.68 | 0.586 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 0 | 23.21 | 27.11 | 0.514 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 1 | 161 | 22.94 | 26.84 | 0.483 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 81 | 40 | 23.63 | 27.53 | 0.566 |
| DFT-s-OFDM QPSK | 2526 | 505200 | 60 | 162 | 0 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 1 | 0 | 22.18 | 26.08 | 0.406 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 1 | 161 | 22.26 | 26.16 | 0.413 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 81 | 40 | 23.06 | 26.96 | 0.497 |
| DFT-s-OFDM 16QAM | 2526 | 505200 | 60 | 162 | 0 | 22.17 | 26.07 | 0.405 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 1 | 0 | 21.56 | 25.46 | 0.352 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 1 | 161 | 21.71 | 25.61 | 0.364 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 81 | 40 | 21.63 | 25.53 | 0.357 |
| DFT-s-OFDM 64QAM | 2526 | 505200 | 60 | 162 | 0 | 21.75 | 25.65 | 0.367 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 1 | 0 | 19.55 | 23.45 | 0.221 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 1 | 161 | 19.66 | 23.56 | 0.227 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 81 | 40 | 19.72 | 23.62 | 0.230 |
| DFT-s-OFDM 256QAM | 2526 | 505200 | 60 | 162 | 0 | 19.77 | 23.67 | 0.233 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 21.41 | 25.31 | 0.340 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 161 | 21.47 | 25.37 | 0.344 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 81 | 40 | 22.63 | 26.53 | 0.450 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 162 | 0 | 21.23 | 25.13 | 0.326 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 0 | 21.23 | 25.13 | 0.326 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 161 | 21.39 | 25.29 | 0.338 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 81 | 40 | 22.22 | 26.12 | 0.409 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 21.17 | 25.07 | 0.321 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 0 | 20.46 | 24.36 | 0.273 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 161 | 20.75 | 24.65 | 0.292 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 81 | 40 | 20.53 | 24.43 | 0.277 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 60 | 162 | 0 | 20.81 | 24.71 | 0.296 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 0 | 17.90 | 21.80 | 0.151 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 161 | 17.97 | 21.87 | 0.154 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 81 | 40 | 18.07 | 21.97 | 0.157 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 18.20 | 22.10 | 0.162 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 0 | 22.18 | 26.08 | 0.406 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 161 | 22.29 | 26.19 | 0.416 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 81 | 40 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 22.27 | 26.17 | 0.414 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 0 | 21.64 | 25.54 | 0.358 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 1 | 161 | 21.67 | 25.57 | 0.361 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 81 | 40 | 21.85 | 25.75 | 0.376 |



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|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 60 | 162 | 0 | 21.81 | 25.71 | 0.372 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 0 | 19.60 | 23.50 | 0.224 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 1 | 161 | 19.79 | 23.69 | 0.234 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 81 | 40 | 19.85 | 23.75 | 0.237 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 19.98 | 23.88 | 0.244 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 0 | 21.36 | 25.26 | 0.336 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 1 | 161 | 21.56 | 25.46 | 0.352 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 81 | 40 | 22.72 | 26.62 | 0.459 |
| CP-OFDM QPSK | 2592.99 | 518598 | 60 | 162 | 0 | 21.32 | 25.22 | 0.333 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 0 | 21.29 | 25.19 | 0.330 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 1 | 161 | 21.39 | 25.29 | 0.338 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 81 | 40 | 22.30 | 26.20 | 0.417 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 60 | 162 | 0 | 21.37 | 25.27 | 0.337 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 0 | 20.55 | 24.45 | 0.279 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 161 | 20.86 | 24.76 | 0.299 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 81 | 40 | 20.97 | 24.87 | 0.307 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 20.92 | 24.82 | 0.303 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 0 | 17.95 | 21.85 | 0.153 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 161 | 18.09 | 21.99 | 0.158 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 81 | 40 | 18.20 | 22.10 | 0.162 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 18.22 | 22.12 | 0.163 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 0 | 22.36 | 26.26 | 0.423 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 161 | 22.06 | 25.96 | 0.394 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 81 | 40 | 23.18 | 27.08 | 0.511 |
| DFT-s-OFDM 16QAM | 2659.98 | 531996 | 60 | 162 | 0 | 22.14 | 26.04 | 0.402 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 0 | 21.65 | 25.55 | 0.359 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 161 | 21.36 | 25.26 | 0.336 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 81 | 40 | 21.69 | 25.59 | 0.362 |
| DFT-s-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 21.66 | 25.56 | 0.360 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 0 | 19.67 | 23.57 | 0.228 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 161 | 19.43 | 23.33 | 0.215 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 81 | 40 | 19.90 | 23.80 | 0.240 |
| DFT-s-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 19.77 | 23.67 | 0.233 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 0 | 21.50 | 25.40 | 0.347 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 1 | 161 | 21.24 | 25.14 | 0.327 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 81 | 40 | 22.58 | 26.48 | 0.445 |
| CP-OFDM QPSK | 2659.98 | 531996 | 60 | 162 | 0 | 21.19 | 25.09 | 0.323 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 0 | 21.44 | 25.34 | 0.342 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 1 | 161 | 21.24 | 25.14 | 0.327 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 81 | 40 | 22.18 | 26.08 | 0.406 |
| CP-OFDM 16QAM | 2659.98 | 531996 | 60 | 162 | 0 | 21.27 | 25.17 | 0.329 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 0 | 20.76 | 24.66 | 0.292 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 1 | 161 | 20.39 | 24.29 | 0.269 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 81 | 40 | 20.68 | 24.58 | 0.287 |
| CP-OFDM 64QAM | 2659.98 | 531996 | 60 | 162 | 0 | 20.78 | 24.68 | 0.294 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 0 | 17.91 | 21.81 | 0.152 |



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|----------------|---------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1 | 161 | 17.81 | 21.71 | 0.148 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 81 | 40 | 18.16 | 22.06 | 0.161 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 18.21 | 22.11 | 0.163 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|-----------------|---------------|
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.21 | 27.11 | 0.514 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.18 | 27.08 | 0.511 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 22.99 | 26.89 | 0.489 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.14 | 27.04 | 0.506 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.01 | 26.91 | 0.491 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.37 | 27.27 | 0.533 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.35 | 27.25 | 0.531 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.16 | 27.06 | 0.508 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.42 | 27.32 | 0.540 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.70 | 27.60 | 0.575 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.27 | 27.17 | 0.521 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.40 | 27.30 | 0.537 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 188 | 23.56 | 27.46 | 0.557 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 90 | 45 | 24.12 | 28.02 | 0.634 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.45 | 27.35 | 0.543 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 0 | 23.52 | 27.42 | 0.552 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 1 | 188 | 22.86 | 26.76 | 0.474 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 90 | 45 | 23.88 | 27.78 | 0.600 |
| DFT-s-OFDM QPSK | 2531.01 | 506202 | 70 | 180 | 0 | 23.43 | 27.33 | 0.541 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 1 | 0 | 22.61 | 26.51 | 0.448 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 1 | 188 | 22.57 | 26.47 | 0.444 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 90 | 45 | 22.82 | 26.72 | 0.470 |
| DFT-s-OFDM 16QAM | 2531.01 | 506202 | 70 | 180 | 0 | 22.43 | 26.33 | 0.430 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 1 | 0 | 21.66 | 25.56 | 0.360 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 1 | 188 | 21.74 | 25.64 | 0.366 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 90 | 45 | 21.78 | 25.68 | 0.370 |
| DFT-s-OFDM 64QAM | 2531.01 | 506202 | 70 | 180 | 0 | 22.01 | 25.91 | 0.390 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 1 | 0 | 19.49 | 23.39 | 0.218 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 1 | 188 | 19.88 | 23.78 | 0.239 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 90 | 45 | 19.76 | 23.66 | 0.232 |
| DFT-s-OFDM 256QAM | 2531.01 | 506202 | 70 | 180 | 0 | 18.99 | 22.89 | 0.195 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 22.07 | 25.97 | 0.395 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 188 | 21.97 | 25.87 | 0.386 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 95 | 47 | 21.82 | 25.72 | 0.373 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 189 | 0 | 21.96 | 25.86 | 0.385 |



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|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 0 | 22.01 | 25.91 | 0.390 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 188 | 21.54 | 25.44 | 0.350 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 95 | 47 | 20.98 | 24.88 | 0.308 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 189 | 0 | 21.37 | 25.27 | 0.337 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 0 | 20.44 | 24.34 | 0.272 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 188 | 20.88 | 24.78 | 0.301 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 95 | 47 | 20.98 | 24.88 | 0.308 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 70 | 189 | 0 | 21.02 | 24.92 | 0.310 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 0 | 18.23 | 22.13 | 0.163 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 188 | 17.92 | 21.82 | 0.152 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 95 | 47 | 17.86 | 21.76 | 0.150 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 189 | 0 | 18.19 | 22.09 | 0.162 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 0 | 22.28 | 26.18 | 0.415 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 188 | 22.69 | 26.59 | 0.456 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 90 | 45 | 23.44 | 27.34 | 0.542 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 70 | 180 | 0 | 22.56 | 26.46 | 0.443 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 0 | 21.70 | 25.60 | 0.363 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 1 | 188 | 21.94 | 25.84 | 0.384 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 90 | 45 | 22.11 | 26.01 | 0.399 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 70 | 180 | 0 | 22.08 | 25.98 | 0.396 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 0 | 19.65 | 23.55 | 0.226 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 1 | 188 | 19.97 | 23.87 | 0.244 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 90 | 45 | 20.04 | 23.94 | 0.248 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 70 | 180 | 0 | 19.91 | 23.81 | 0.240 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 0 | 21.51 | 25.41 | 0.348 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 1 | 188 | 21.52 | 25.42 | 0.348 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 95 | 47 | 23.03 | 26.93 | 0.493 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70 | 189 | 0 | 21.33 | 25.23 | 0.333 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 0 | 21.28 | 25.18 | 0.330 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 1 | 188 | 21.52 | 25.42 | 0.348 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 95 | 47 | 22.45 | 26.35 | 0.432 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 70 | 189 | 0 | 21.49 | 25.39 | 0.346 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 0 | 20.77 | 24.67 | 0.293 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 188 | 21.02 | 24.92 | 0.310 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 95 | 47 | 21.02 | 24.92 | 0.310 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 189 | 0 | 21.15 | 25.05 | 0.320 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 0 | 17.93 | 21.83 | 0.152 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 188 | 18.05 | 21.95 | 0.157 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 95 | 47 | 18.64 | 22.54 | 0.179 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 189 | 0 | 18.49 | 22.39 | 0.173 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 0 | 22.58 | 26.48 | 0.445 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 188 | 22.18 | 26.08 | 0.406 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 90 | 45 | 23.55 | 27.45 | 0.556 |
| DFT-s-OFDM 16QAM | 2655 | 531000 | 70 | 180 | 0 | 22.63 | 26.53 | 0.450 |
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 0 | 21.82 | 25.72 | 0.373 |
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 188 | 21.49 | 25.39 | 0.346 |



| | | | | | | | | |
|-------------------|------|--------|----|-----|-----|-------|-------|-------|
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 90 | 45 | 21.85 | 25.75 | 0.376 |
| DFT-s-OFDM 64QAM | 2655 | 531000 | 70 | 180 | 0 | 22.05 | 25.95 | 0.394 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 0 | 19.78 | 23.68 | 0.233 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 188 | 19.51 | 23.41 | 0.219 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 90 | 45 | 19.87 | 23.77 | 0.238 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 180 | 0 | 20.13 | 24.03 | 0.253 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 0 | 21.59 | 25.49 | 0.354 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 1 | 188 | 21.15 | 25.05 | 0.320 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 95 | 47 | 22.66 | 26.56 | 0.453 |
| CP-OFDM QPSK | 2655 | 531000 | 70 | 189 | 0 | 21.41 | 25.31 | 0.340 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 0 | 21.38 | 25.28 | 0.337 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 1 | 188 | 21.13 | 25.03 | 0.318 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 95 | 47 | 22.39 | 26.29 | 0.426 |
| CP-OFDM 16QAM | 2655 | 531000 | 70 | 189 | 0 | 21.38 | 25.28 | 0.337 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 0 | 21.04 | 24.94 | 0.312 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 1 | 188 | 20.44 | 24.34 | 0.272 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 95 | 47 | 20.86 | 24.76 | 0.299 |
| CP-OFDM 64QAM | 2655 | 531000 | 70 | 189 | 0 | 21.01 | 24.91 | 0.310 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 0 | 18.50 | 22.40 | 0.174 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 1 | 188 | 17.73 | 21.63 | 0.146 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 95 | 47 | 18.42 | 22.32 | 0.171 |
| CP-OFDM 256QAM | 2655 | 531000 | 70 | 189 | 0 | 18.20 | 22.10 | 0.162 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|-----------------|---------------|
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.30 | 27.20 | 0.525 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.10 | 27.00 | 0.501 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.10 | 27.00 | 0.501 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.13 | 27.03 | 0.505 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.22 | 27.12 | 0.515 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.30 | 27.20 | 0.525 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.36 | 27.26 | 0.532 |
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.33 | 27.23 | 0.528 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.39 | 27.29 | 0.536 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.73 | 27.63 | 0.579 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.19 | 27.09 | 0.512 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.49 | 27.39 | 0.548 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.57 | 27.47 | 0.558 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.99 | 27.89 | 0.615 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.34 | 27.24 | 0.530 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 0 | 23.40 | 27.30 | 0.537 |



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|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 1 | 216 | 23.14 | 27.04 | 0.506 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 108 | 54 | 23.81 | 27.71 | 0.590 |
| DFT-s-OFDM QPSK | 2536.02 | 507204 | 80 | 216 | 0 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 1 | 0 | 22.07 | 25.97 | 0.395 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 1 | 216 | 22.22 | 26.12 | 0.409 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 108 | 54 | 23.15 | 27.05 | 0.507 |
| DFT-s-OFDM 16QAM | 2536.02 | 507204 | 80 | 216 | 0 | 22.33 | 26.23 | 0.420 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 1 | 0 | 21.59 | 25.49 | 0.354 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 1 | 216 | 21.77 | 25.67 | 0.369 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 108 | 54 | 21.63 | 25.53 | 0.357 |
| DFT-s-OFDM 64QAM | 2536.02 | 507204 | 80 | 216 | 0 | 21.75 | 25.65 | 0.367 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 1 | 0 | 19.69 | 23.59 | 0.229 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 1 | 216 | 19.72 | 23.62 | 0.230 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 108 | 54 | 19.83 | 23.73 | 0.236 |
| DFT-s-OFDM 256QAM | 2536.02 | 507204 | 80 | 216 | 0 | 20.11 | 24.01 | 0.252 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 21.23 | 25.13 | 0.326 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 216 | 21.48 | 25.38 | 0.345 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 109 | 54 | 22.85 | 26.75 | 0.473 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 217 | 0 | 21.42 | 25.32 | 0.340 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 0 | 21.25 | 25.15 | 0.327 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 216 | 21.30 | 25.20 | 0.331 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 109 | 54 | 22.19 | 26.09 | 0.406 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 217 | 0 | 21.31 | 25.21 | 0.332 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 0 | 20.59 | 24.49 | 0.281 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 216 | 20.47 | 24.37 | 0.274 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 109 | 54 | 20.70 | 24.60 | 0.288 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 80 | 217 | 0 | 20.97 | 24.87 | 0.307 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 0 | 17.91 | 21.81 | 0.152 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 216 | 17.87 | 21.77 | 0.150 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 109 | 54 | 18.03 | 21.93 | 0.156 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 217 | 0 | 18.17 | 22.07 | 0.161 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 0 | 22.46 | 26.36 | 0.433 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 216 | 22.29 | 26.19 | 0.416 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 108 | 54 | 23.50 | 27.40 | 0.550 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 80 | 216 | 0 | 22.58 | 26.48 | 0.445 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 0 | 21.76 | 25.66 | 0.368 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 1 | 216 | 21.77 | 25.67 | 0.369 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 108 | 54 | 22.10 | 26.00 | 0.398 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 80 | 216 | 0 | 22.10 | 26.00 | 0.398 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 0 | 19.74 | 23.64 | 0.231 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 1 | 216 | 19.83 | 23.73 | 0.236 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 108 | 54 | 19.99 | 23.89 | 0.245 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 80 | 216 | 0 | 20.13 | 24.03 | 0.253 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 0 | 21.31 | 25.21 | 0.332 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 1 | 216 | 21.58 | 25.48 | 0.353 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 109 | 54 | 22.99 | 26.89 | 0.489 |



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|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM QPSK | 2592.99 | 518598 | 80 | 217 | 0 | 21.32 | 25.22 | 0.333 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 0 | 21.38 | 25.28 | 0.337 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 1 | 216 | 21.55 | 25.45 | 0.351 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 109 | 54 | 22.45 | 26.35 | 0.432 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 80 | 217 | 0 | 21.68 | 25.58 | 0.361 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 0 | 20.57 | 24.47 | 0.280 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 216 | 20.86 | 24.76 | 0.299 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 109 | 54 | 20.96 | 24.86 | 0.306 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 217 | 0 | 20.92 | 24.82 | 0.303 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 0 | 18.10 | 22.00 | 0.158 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 216 | 18.16 | 22.06 | 0.161 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 109 | 54 | 18.31 | 22.21 | 0.166 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 18.44 | 22.34 | 0.171 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 0 | 22.51 | 26.41 | 0.438 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 216 | 22.06 | 25.96 | 0.394 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 108 | 54 | 23.51 | 27.41 | 0.551 |
| DFT-s-OFDM 16QAM | 2649.99 | 529998 | 80 | 216 | 0 | 22.34 | 26.24 | 0.421 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 0 | 21.71 | 25.61 | 0.364 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 216 | 21.60 | 25.50 | 0.355 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 108 | 54 | 22.01 | 25.91 | 0.390 |
| DFT-s-OFDM 64QAM | 2649.99 | 529998 | 80 | 216 | 0 | 21.93 | 25.83 | 0.383 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 0 | 19.92 | 23.82 | 0.241 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 216 | 19.62 | 23.52 | 0.225 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 108 | 54 | 19.89 | 23.79 | 0.239 |
| DFT-s-OFDM 256QAM | 2649.99 | 529998 | 80 | 216 | 0 | 19.85 | 23.75 | 0.237 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 0 | 21.47 | 25.37 | 0.344 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 1 | 216 | 21.09 | 24.99 | 0.316 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 109 | 54 | 22.92 | 26.82 | 0.481 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80 | 217 | 0 | 21.35 | 25.25 | 0.335 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 0 | 21.37 | 25.27 | 0.337 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 1 | 216 | 21.00 | 24.90 | 0.309 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 109 | 54 | 22.26 | 26.16 | 0.413 |
| CP-OFDM 16QAM | 2649.99 | 529998 | 80 | 217 | 0 | 21.42 | 25.32 | 0.340 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 0 | 20.72 | 24.62 | 0.290 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 1 | 216 | 20.41 | 24.31 | 0.270 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 109 | 54 | 21.01 | 24.91 | 0.310 |
| CP-OFDM 64QAM | 2649.99 | 529998 | 80 | 217 | 0 | 20.98 | 24.88 | 0.308 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 0 | 18.23 | 22.13 | 0.163 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 1 | 216 | 17.85 | 21.75 | 0.150 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 109 | 54 | 18.59 | 22.49 | 0.177 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 18.41 | 22.31 | 0.170 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|----------------|--------------|
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 23.12 | 27.02 | 0.504 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 244 | 23.16 | 27.06 | 0.508 |



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|----------------------|---------|--------|----|-----|-----|-------|-------|-------|
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 120 | 60 | 23.22 | 27.12 | 0.515 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 243 | 0 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 22.97 | 26.87 | 0.486 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 244 | 23.15 | 27.05 | 0.507 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 120 | 60 | 23.14 | 27.04 | 0.506 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 243 | 0 | 23.17 | 27.07 | 0.509 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 0 | 23.34 | 27.24 | 0.530 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 1 | 244 | 23.34 | 27.24 | 0.530 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 120 | 60 | 23.33 | 27.23 | 0.528 |
| DFT-s-OFDM PI/2 BPSK | 2541 | 508200 | 90 | 243 | 0 | 23.34 | 27.24 | 0.530 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 23.40 | 27.30 | 0.537 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 244 | 23.35 | 27.25 | 0.531 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 120 | 60 | 23.85 | 27.75 | 0.596 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 243 | 0 | 23.54 | 27.44 | 0.555 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 23.40 | 27.30 | 0.537 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 244 | 23.65 | 27.55 | 0.569 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 120 | 60 | 24.00 | 27.90 | 0.617 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 243 | 0 | 23.41 | 27.31 | 0.538 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 0 | 23.55 | 27.45 | 0.556 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 1 | 244 | 23.31 | 27.21 | 0.526 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 120 | 60 | 23.94 | 27.84 | 0.608 |
| DFT-s-OFDM QPSK | 2541 | 508200 | 90 | 243 | 0 | 23.29 | 27.19 | 0.524 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 1 | 0 | 22.27 | 26.17 | 0.414 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 1 | 244 | 22.56 | 26.46 | 0.443 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 120 | 60 | 23.24 | 27.14 | 0.518 |
| DFT-s-OFDM 16QAM | 2541 | 508200 | 90 | 243 | 0 | 22.47 | 26.37 | 0.434 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 1 | 0 | 21.50 | 25.40 | 0.347 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 1 | 244 | 21.85 | 25.75 | 0.376 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 120 | 60 | 22.04 | 25.94 | 0.393 |
| DFT-s-OFDM 64QAM | 2541 | 508200 | 90 | 243 | 0 | 21.79 | 25.69 | 0.371 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 1 | 0 | 19.67 | 23.57 | 0.228 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 1 | 244 | 19.82 | 23.72 | 0.236 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 120 | 60 | 20.06 | 23.96 | 0.249 |
| DFT-s-OFDM 256QAM | 2541 | 508200 | 90 | 243 | 0 | 20.03 | 23.93 | 0.247 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 21.54 | 25.44 | 0.350 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 244 | 21.42 | 25.32 | 0.340 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 123 | 61 | 22.92 | 26.82 | 0.481 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 245 | 0 | 21.44 | 25.34 | 0.342 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.47 | 25.37 | 0.344 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 244 | 21.58 | 25.48 | 0.353 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 123 | 61 | 22.29 | 26.19 | 0.416 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 245 | 0 | 21.55 | 25.45 | 0.351 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.08 | 24.98 | 0.315 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 244 | 20.86 | 24.76 | 0.299 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 123 | 61 | 20.76 | 24.66 | 0.292 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 90 | 245 | 0 | 20.91 | 24.81 | 0.303 |



| | | | | | | | | |
|-------------------|---------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 0 | 18.04 | 21.94 | 0.156 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 244 | 18.19 | 22.09 | 0.162 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 123 | 61 | 18.26 | 22.16 | 0.164 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90 | 245 | 0 | 18.42 | 22.32 | 0.171 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 0 | 22.57 | 26.47 | 0.444 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 244 | 22.69 | 26.59 | 0.456 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 120 | 60 | 23.33 | 27.23 | 0.528 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 90 | 243 | 0 | 22.53 | 26.43 | 0.440 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.86 | 25.76 | 0.377 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 1 | 244 | 21.84 | 25.74 | 0.375 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 120 | 60 | 21.96 | 25.86 | 0.385 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 90 | 243 | 0 | 22.12 | 26.02 | 0.400 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 0 | 19.82 | 23.72 | 0.236 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 1 | 244 | 19.85 | 23.75 | 0.237 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 120 | 60 | 20.05 | 23.95 | 0.248 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 90 | 243 | 0 | 19.95 | 23.85 | 0.243 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 0 | 21.60 | 25.50 | 0.355 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 1 | 244 | 21.66 | 25.56 | 0.360 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 123 | 61 | 22.88 | 26.78 | 0.476 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90 | 245 | 0 | 21.51 | 25.41 | 0.348 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 0 | 21.56 | 25.46 | 0.352 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 1 | 244 | 21.73 | 25.63 | 0.366 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 123 | 61 | 22.31 | 26.21 | 0.418 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 90 | 245 | 0 | 21.40 | 25.30 | 0.339 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 0 | 20.70 | 24.60 | 0.288 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 244 | 21.05 | 24.95 | 0.313 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 123 | 61 | 20.94 | 24.84 | 0.305 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 245 | 0 | 20.96 | 24.86 | 0.306 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 0 | 18.40 | 22.30 | 0.170 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 244 | 18.28 | 22.18 | 0.165 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 123 | 61 | 18.56 | 22.46 | 0.176 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 245 | 0 | 18.52 | 22.42 | 0.175 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 0 | 22.42 | 26.32 | 0.429 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 244 | 22.17 | 26.07 | 0.405 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 120 | 60 | 23.32 | 27.22 | 0.527 |
| DFT-s-OFDM 16QAM | 2644.98 | 528996 | 90 | 243 | 0 | 22.50 | 26.40 | 0.437 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 0 | 21.79 | 25.69 | 0.371 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 244 | 21.43 | 25.33 | 0.341 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 120 | 60 | 21.96 | 25.86 | 0.385 |
| DFT-s-OFDM 64QAM | 2644.98 | 528996 | 90 | 243 | 0 | 22.02 | 25.92 | 0.391 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 0 | 19.96 | 23.86 | 0.243 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 244 | 19.63 | 23.53 | 0.225 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 120 | 60 | 19.92 | 23.82 | 0.241 |
| DFT-s-OFDM 256QAM | 2644.98 | 528996 | 90 | 243 | 0 | 20.21 | 24.11 | 0.258 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 0 | 21.68 | 25.58 | 0.361 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 1 | 244 | 21.38 | 25.28 | 0.337 |



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|----------------|---------|--------|----|-----|-----|-------|-------|-------|
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 123 | 61 | 22.96 | 26.86 | 0.485 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90 | 245 | 0 | 21.43 | 25.33 | 0.341 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 0 | 21.47 | 25.37 | 0.344 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 1 | 244 | 21.21 | 25.11 | 0.324 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 123 | 61 | 22.28 | 26.18 | 0.415 |
| CP-OFDM 16QAM | 2644.98 | 528996 | 90 | 245 | 0 | 21.34 | 25.24 | 0.334 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 0 | 20.77 | 24.67 | 0.293 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 1 | 244 | 20.46 | 24.36 | 0.273 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 123 | 61 | 21.07 | 24.97 | 0.314 |
| CP-OFDM 64QAM | 2644.98 | 528996 | 90 | 245 | 0 | 20.86 | 24.76 | 0.299 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 0 | 18.42 | 22.32 | 0.171 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1 | 244 | 18.29 | 22.19 | 0.166 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 123 | 61 | 18.51 | 22.41 | 0.174 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 245 | 0 | 18.51 | 22.41 | 0.174 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|----------------|--------------|
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.25 | 27.15 | 0.519 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.14 | 27.04 | 0.506 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.13 | 27.03 | 0.505 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.20 | 27.10 | 0.513 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.34 | 27.24 | 0.530 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.12 | 27.02 | 0.504 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.27 | 27.17 | 0.521 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.10 | 27.00 | 0.501 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.30 | 27.20 | 0.525 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.33 | 27.23 | 0.528 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.32 | 27.22 | 0.527 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.32 | 27.22 | 0.527 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.63 | 27.53 | 0.566 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.75 | 27.65 | 0.582 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.33 | 27.23 | 0.528 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.40 | 27.30 | 0.537 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.54 | 27.44 | 0.555 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.82 | 27.72 | 0.592 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 270 | 0 | 23.59 | 27.49 | 0.561 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 0 | 23.44 | 27.34 | 0.542 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 1 | 272 | 23.17 | 27.07 | 0.509 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 135 | 67 | 23.74 | 27.64 | 0.581 |
| DFT-s-OFDM QPSK | 2546.01 | 509202 | 100 | 270 | 0 | 22.48 | 26.38 | 0.435 |
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 1 | 0 | 22.54 | 26.44 | 0.441 |
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 1 | 272 | 22.39 | 26.29 | 0.426 |
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 135 | 67 | 22.46 | 26.36 | 0.433 |
| DFT-s-OFDM 16QAM | 2546.01 | 509202 | 100 | 270 | 0 | 21.59 | 25.49 | 0.354 |



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|-------------------|---------|--------|-----|-----|-----|-------|-------|-------|
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 1 | 0 | 21.72 | 25.62 | 0.365 |
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 1 | 272 | 21.67 | 25.57 | 0.361 |
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 135 | 67 | 21.48 | 25.38 | 0.345 |
| DFT-s-OFDM 64QAM | 2546.01 | 509202 | 100 | 270 | 0 | 19.92 | 23.82 | 0.241 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 1 | 0 | 20.05 | 23.95 | 0.248 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 1 | 272 | 19.99 | 23.89 | 0.245 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 135 | 67 | 20.31 | 24.21 | 0.264 |
| DFT-s-OFDM 256QAM | 2546.01 | 509202 | 100 | 270 | 0 | 22.48 | 26.38 | 0.435 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 22.54 | 26.44 | 0.441 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 272 | 21.44 | 25.34 | 0.342 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 137 | 68 | 22.65 | 26.55 | 0.452 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 273 | 0 | 21.42 | 25.32 | 0.340 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 0 | 21.55 | 25.45 | 0.351 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.72 | 25.62 | 0.365 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 137 | 68 | 22.29 | 26.19 | 0.416 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 273 | 0 | 21.40 | 25.30 | 0.339 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 0 | 20.88 | 24.78 | 0.301 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.06 | 24.96 | 0.313 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 137 | 68 | 20.99 | 24.89 | 0.308 |
| CP-OFDM 64QAM | 2592.99 | 518598 | 100 | 273 | 0 | 21.13 | 25.03 | 0.318 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 0 | 17.87 | 21.77 | 0.150 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 272 | 18.23 | 22.13 | 0.163 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 137 | 68 | 18.30 | 22.20 | 0.166 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 273 | 0 | 18.54 | 22.44 | 0.175 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 0 | 22.40 | 26.30 | 0.427 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 272 | 22.77 | 26.67 | 0.465 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 135 | 67 | 23.58 | 27.48 | 0.560 |
| DFT-s-OFDM 16QAM | 2592.99 | 518598 | 100 | 270 | 0 | 22.41 | 26.31 | 0.428 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 0 | 21.90 | 25.80 | 0.380 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.83 | 25.73 | 0.374 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 135 | 67 | 22.03 | 25.93 | 0.392 |
| DFT-s-OFDM 64QAM | 2592.99 | 518598 | 100 | 270 | 0 | 21.93 | 25.83 | 0.383 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 0 | 19.88 | 23.78 | 0.239 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 1 | 272 | 19.93 | 23.83 | 0.242 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 135 | 67 | 20.00 | 23.90 | 0.245 |
| DFT-s-OFDM 256QAM | 2592.99 | 518598 | 100 | 270 | 0 | 20.13 | 24.03 | 0.253 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 0 | 21.34 | 25.24 | 0.334 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1 | 272 | 21.58 | 25.48 | 0.353 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 137 | 68 | 22.90 | 26.80 | 0.479 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 273 | 0 | 21.62 | 25.52 | 0.356 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 0 | 21.68 | 25.58 | 0.361 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 1 | 272 | 21.64 | 25.54 | 0.358 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 137 | 68 | 22.48 | 26.38 | 0.435 |
| CP-OFDM 16QAM | 2592.99 | 518598 | 100 | 273 | 0 | 21.61 | 25.51 | 0.356 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 0 | 20.74 | 24.64 | 0.291 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 272 | 21.08 | 24.98 | 0.315 |



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|-------------------|------|--------|-----|-----|-----|-------|-------|-------|
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 137 | 68 | 21.04 | 24.94 | 0.312 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 273 | 0 | 20.95 | 24.85 | 0.305 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 0 | 18.21 | 22.11 | 0.163 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 272 | 18.22 | 22.12 | 0.163 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 137 | 68 | 18.47 | 22.37 | 0.173 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 273 | 0 | 18.33 | 22.23 | 0.167 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 0 | 22.30 | 26.20 | 0.417 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 272 | 22.17 | 26.07 | 0.405 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 135 | 67 | 23.30 | 27.20 | 0.525 |
| DFT-s-OFDM 16QAM | 2640 | 528000 | 100 | 270 | 0 | 22.58 | 26.48 | 0.445 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 0 | 21.75 | 25.65 | 0.367 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 272 | 21.68 | 25.58 | 0.361 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 135 | 67 | 21.92 | 25.82 | 0.382 |
| DFT-s-OFDM 64QAM | 2640 | 528000 | 100 | 270 | 0 | 22.07 | 25.97 | 0.395 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 0 | 19.96 | 23.86 | 0.243 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 272 | 19.63 | 23.53 | 0.225 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 135 | 67 | 20.23 | 24.13 | 0.259 |
| DFT-s-OFDM 256QAM | 2640 | 528000 | 100 | 270 | 0 | 20.17 | 24.07 | 0.255 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 0 | 21.73 | 25.63 | 0.366 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 1 | 272 | 21.39 | 25.29 | 0.338 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 137 | 68 | 22.91 | 26.81 | 0.480 |
| CP-OFDM QPSK | 2640 | 528000 | 100 | 273 | 0 | 21.57 | 25.47 | 0.352 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 0 | 21.53 | 25.43 | 0.349 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 1 | 272 | 21.28 | 25.18 | 0.330 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 137 | 68 | 22.51 | 26.41 | 0.438 |
| CP-OFDM 16QAM | 2640 | 528000 | 100 | 273 | 0 | 21.56 | 25.46 | 0.352 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 0 | 20.84 | 24.74 | 0.298 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 1 | 272 | 20.56 | 24.46 | 0.279 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 137 | 68 | 21.06 | 24.96 | 0.313 |
| CP-OFDM 64QAM | 2640 | 528000 | 100 | 273 | 0 | 21.08 | 24.98 | 0.315 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 0 | 18.60 | 22.50 | 0.178 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 1 | 272 | 18.40 | 22.30 | 0.170 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 137 | 68 | 18.49 | 22.39 | 0.173 |
| CP-OFDM 256QAM | 2640 | 528000 | 100 | 273 | 0 | 18.46 | 22.36 | 0.172 |