Abstract

OFDM (Orthogonal Frequency Division Multiplexing) transmissions are arising as important modulation techniques because of its robustness against interference. Various modulation schemes have been used to implement OFDM. In this paper, the OFDM transceiver system is implemented using MATLAB. Gaussian Minimum Shift Keying modulation technique has been implemented in the proposed OFDM. The bit error rate (BER) performance has been evaluated in AWGN (Additive White Gaussian Noise) channel and is compared to Quadrature Phase Shift Keying modulation scheme.

References

3. Deergha Aggarwal et al., “PAPR Reduction Using Precoding and Companding
Techniques for OFDM Systems”, 2015 (ICACEA)
25. Neenu Joseph et al., “FPGA based Realization of OFDM Transceiver system for
Implementation of OFDM Transceiver using GMSK and QPSK Encoding Technique


**Index Terms**

Computer Science  Communications

**Keywords**

Orthogonal Frequency Division Multiplexing, Gaussian Minimum Shift Keying, Quadrature Phase Shift Keying