Abstract

Multi-Carrier Code Division Multiple Access (MC-CDMA) is one of the recent technologies to support multiple users with high speed data communications in advanced wireless systems. In this paper implementation and analysis of MC-CDMA over different fading channel Rayleigh Fading, Rician Fading and Nakagami Fading Channel is presented. The performance is analysed and compared with DS-CDMA (Direct Sequence Code Division Multiple Access) system in terms of BER curves and spectral efficiency curves for different fading channels.

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**Index Terms**
- Computer Science
- Communication Systems

**Keywords**
- MCCDMA
- CDMA
- OFDM
- Rayleigh Fading
- Rician Fading
- Nakagami Fading