

Abstract Details

Title: Signal to Noise Ratio Estimation and Bit Error Rate for Wireless MAN-OFDM

Authors: Hibtallah Kamal Mohammed, Dr. Khaled Hamid Bilal and Dr. Hala Eldaw Idris

Abstract: The aim of this paper is to study, analysis, plan and design OFDM physical layer for WMAN using Matlab simulator. As a result, we examine how well the receiver performs with different types of fading (Flat fading and Frequency Selective fading) then generate BER and SNR curves for varying channel bandwidth and cycle prefix values.

Keywords: OFDM, SNR, BER, Est.SNR, WMAN, Flat fading, Frequency Selective fading.