Abstract

The Orthogonal Frequency Division Multiplexing (OFDM) is a multicarrier modulation technique becomes very popular because of its advance used in VLSI. Today it is used in many wireless standards such as WLAN, DAB and ETSI Hiperlan/2. In wireless communication system multi path propagation impairments can be reduce the error rate performance of the
system. In this paper, the error rate performance of the OFDM system over Nakagami-n and Nakagami-q fading channels has been investigated. Further these results have been used to evaluate the threshold value of fading figure n and q based on error rate and SNR.

Reference

Error Rate Performance Analysis of OFDM System over Nakagami-n and Nakagami-q Distributions


**Index Terms**

Computer Science  Wireless

Communication

**Key words**

OFDM  Fading distribution

Nakagami-m distribution

Nakagami-n distribution

Nakagami-q distribution Rayleigh Fading