Abstract

In this paper, the Bit Error Rate (BER) performance of OFDM-BPSK system over flat Nakagami fading channels is analyzed. This model is versatile enough to represent fading. Here our approach is based on decomposition of Nakagami random variable into orthogonal random variables with Gaussian distribution envelopes. Finally simulations of OFDM signals are carried...
with Nakagami faded signal to understand the effect of channel fading and to obtain optimum value of m, n and q based on BER and SNR.

Reference


Index Terms

Computer Science Communications
Key words

OFDM

Nakagami-m channel

Nakagami-n channel

Nakagami-q channel

Rayleigh fading

Rician fading channel