Abstract

Wireless communication is a emerging field of evolution in modern era of technology, and every day it is giving new technology to facilitate human being. The new facilities always need a QoS i. e. directly user satisfaction. For satisfaction of wireless users is to give efficient and reliable technology, so that sharing of information is made easier. In the same context the channel of wireless communication system need extra attention for efficient delivery of information from one place to another wirelessly. In this paper we are trying to estimate the channel using MMSE-Kalman Estimator in OFDM system with median filtering to enhance the performance of the system. The proposed methodology is implemented and figure of merits are calculated as BER and MSE, and we have found that the use of median filter with MMSE-Kalman estimator is good.

References

A Novel Algorithm for Efficient Channel Estimation using MMSE-Kalman Estimator and Median Filtering


**Index Terms**

Computer Science

Algorithms

**Keywords**

MMSE Kalman Estimator Median Filter BER and MSE