Abstract

This paper deals with the design and implementation of Maximum Likelihood (ML) Estimation method for a MIMO system utilising Space-time block coding (STBC) based on Alamouti transmitter diversity scheme. The design is modelled using MATLAB to derive the required specifications. The code is simulated, synthesized and implemented on Test bed for real-time analysis. The performance of STBC- MIMO is evaluated on the basis of Bit Error Rate (BER) and Symbol Error Rate (SER) for different types of modulations.

References


Index Terms

Computer Science          Wireless Communication

Keywords

Stbc  Mimo  Ml  Ber  Ser  Snr.