Abstract

The effect of fading and interference effects can be combated with equalizer. This paper analyses the performance of MMSE equalizer based receiver for MIMO wireless channel. The BER characteristics for the various transmitting and receiving antenna is simulated in mat lab tool box and many advantages and disadvantages the system is described. The simulation
carried out signal processing lab show that the MMSE equalizer based receiver is a good choice for removing some ISI and minimizes the total noise power. The results show that the BER decreases as the m x n antenna configurations is increased.

Reference


Index Terms

Computer Science

Wireless Communications

Key words

MIMO (Multiple Input Multiple output)
MMSE (Minimum Mean Square Error)
ISI (Inter Symbol Interference)
SNR (Signal to Noise Ratio)