Abstract

Channel estimation is a challenging problem for the wireless communication to recover original data. Various estimation approaches have been discussed in literature to get a better estimation. In this work pilot assisted channel estimation techniques are considered to obtain accurate channel state information (CSI) and compared least square (LS) and Linear Minimum Mean Square Estimator (LMMSE) estimation technique for Doppler shift. Simulation results shown that both estimation techniques, performed same at higher Doppler frequencies.
Comparison of Channel Estimators for OFDM Channel Estimation


Index Terms

Computer Science

Wireless

Keywords

Csi Mimo Ofdm Wman Wlan Mmse