Abstract

The aim of this survey is to investigate channel estimation method with carrier frequency offset in MIMO-OFDM systems. According to this, using maximum likelihood estimation algorithm (MLE), the carrier frequency offset (CFO) can be estimated. Then we estimate channel's coefficients for these systems. To accurately estimate the channel's coefficients, carrier frequency offset mitigation is necessary. The algorithm which is used for synchronization process with high accuracy and speed has the acceptable computational complexity. The efficiency of suggested method can be investigated by simulation and the results of estimation will come to a comparison.

References

Synchronization and channel estimation in MIMO-OFDM systems


Index Terms

Computer Science
Communications
Keywords
Multi-input Multi-output Systems  Channel Estimation  Synchronization  Mle Algorithm