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## Abstract

A multiple-input multiple-output (MIMO) communication structure gets linked through orthogonal frequency division multiplexing (OFDM) technique. This could be accomplished through consistent elevated data rate transmission which gets terminated in broadband wireless networks. Network state information used for both single-input single-output (SISO) and MIMO schemes created on pilot aided procedure is considered in this paper. Harmonization

inaccuracy which destroys the OFDM scheme concert is condensed through employing Harmonization Procedure is used to approximation the offset in addition to through using reward method these offsets remain a bridged which develops the scheme presentation. The performance of MIMO OFDM and SISO OFDM are calculated on the source of Bit Error Rate (BER) through the Mat lab simulation. This perception is employed in Multi-input Multi-output (MIMO) antenna to improve capability of channel used for high-bit information rate communication.

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**Index Terms**

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