

COMPARISON OF BIT ERROR RATE IN OFDM SYSTEM BY USING MMSE EQUALIZER

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ABSTRACT

This paper compares and improves the bit error rate performance with the minimum mean squared error (MMSE) equalizer applied to wireless multiple antenna systems (MIMO) by using Orthogonal Frequency Division Multiplexing (OFDM). In Spite of much prior work on this subject, This reveal several new and surprising analytical results in terms of signal-to-noise ratio (SNR) by changing the OFDM parameters.

KEYWORDS: MMSE, OFDM, BPSK, DFT, ISI