

Recent advances exploit algorithmic innovations, and parallel or pipelined architectures, to further reduce latency and memory footprint. To satisfy real-time transformation requirements with ...

The bit error rate is the major issue of OFDM due to dynamic nature of the network. The space-time trellis coded is the extra codes which reduce bit rate error over the multipath fading channel. This ...

Various techniques can be employed to reduce bit error rates in OFDM systems. These include advanced signal processing algorithms, error correction coding, and adaptive modulation ...

Therefore, it is highly desirable to reduce the PAPR of an OFDM signal. For this, numerous techniques have been proposed to overcome the PAPR problem such as i) selective ...

Due to multipath effect (Line of sight and other reflections) created by channel model, noise gets added and bit error rate is observed to be high. Due to this, channel estimation and ...

The bit - error - rate is also plotted against the signal - to - noise ratio to understand the performance of the OFDM system. We have also aimed at investigating some of the techniques which are in ...

A critical factor affecting the performance of OFDM is the choice of modulation scheme, particularly the modulation order, which directly influences the bit error rate (BER).

The use of convolutional codes in OFDM system for high data rate transmission in wireless LANs, results in a considerable improvement in terms of bit error rate performance and bandwidth efficiency.

To mitigate these shortcomings, in this paper, a hybrid scheme is proposed that combines nonlinear companding techniques (NCT) with other precoding schemes--discrete cosine transform ...

The purpose of this paper is to use a Matlab simulation of OFDM to analyse the Bit Error Ratio (BER) of a transmission varies when Signal to Noise Ratio (S/N Ratio) and Multipropagation effects are ...

Tools are provided for bit error rate analysis, generating eye and constellation diagrams, and visualizing channel characteristics. The system toolbox also provides adaptive algorithms that let you model ...

Therefore, it's highly desirable to cut back the PAPR of an OFDM signal. For this, numerous techniques are proposed to beat the PAPR problem like i) Selective mapping (SLM) ii) Partial transmit sequence ...

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