Abstract
Orthogonal frequency division multiplexing (OFDM) is a technique that allows digital data to be efficiently and reliably transmitted over a radio channel even in heavy multipath environment. In the present paper we have investigated an OFDM based wireless Communication system by transmitting and receiving a compressed image. The Bit error rate and runtime results of multicarrier OFDM are reported to investigate the effect of number of carriers and IFFT size for MPSK modulation schemes. The QPSK has come out as a suitable scheme for OFDM based systems.
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Index Terms

Computer Science Communications

Key words

The inter-symbol interference
The inter-channel
The inter-symbol interference (ISI)
interference (ICI)
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