Abstract

In this paper there is comparison of all the modulation techniques which are possible to be used in LTE systems in OFDM AWGN channel. BPSK, QPSK, 16QAM and 64QAM, so as to get the best one out of them on the basis of comparison parameters, bit error rate and signal to noise ratio because selection of adequate and suitable modulation technique is of utmost importance in wireless communication system. The paper gives modulation technique with least bit error rate and observes weather it is able to provide the required data rate in LTE systems.

References


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Index Terms

Computer Science  Signal Processing
Keywords

BER, SNR, LTE, LTE-A, BPSK, QPSK, QAM