Abstract

In this paper various Hybrid techniques of keying and coding algorithm have been implemented to efficiently reduce the peak-to-average-power ratio (PAPR) problem that exists in MIMO-OFDM. A novel Selective Level Method (SLM) method is used as a basic technique which has been combined with other keying and transform techniques. Square root technique and Discrete Cosine Transform (DCT) technique have been used for the reduction of PAPR in case of coding algorithm. The combined techniques of square rooting and Discrete Cosine transform have been proposed for the reduction of PAPR in MIMO-OFDM system. Simulations results show that the significant reduction in PAPR as compared to the existing techniques used for the reduction of PAPR.

References

Broadband, Elsevier.


Index Terms

Computer Science Networks

Keywords
Multiple Input Multiple Output (MIMO), Orthogonal Frequency Division Multiplexing (OFDM), Discrete Cosine Transform (DCT), Selective Level Mapping (SLM),