Abstract

Orthogonal Frequency Division Multiplexing is considered as one of the prominent technology for 4G communication to achieve high data rate, spectral efficiency over multipath fading channel. However one of the major drawbacks of OFDM system is high PAPR. Repetitive clipping and filtering (RCF) and selective mapping (SLM) techniques being considered as simple and less complex compare to other techniques, both techniques are analysed and simulated result will give significant reduction in PAP ratio.

References


Index Terms

Computer Science

Signal Processing

Keywords

Orthogonal Frequency Division Multiplexing (OFDM), Peak-to-Average Power Ratio (PAPR), Complimentary Cumulative Distribution Function (CCDF), Selective mapping (SLM), Repetitive clipping and filtering (RCF)