Abstract

The OFDM communication is very much inspired from the channel frequencies over the network. In such network some kind of orthogonal distortion occurs over the channel called PAPR. Here we will reduce the PAPR using Kalman Filtering. It is basically the statistical measure to identify the non-linearity over the signal. Once the PAPR is analyzed over the signal, this effective PAPR value is reduced from the signal. The work is implemented in Matlab environment. The obtained result shows that the presented work has improved the PAPR
A Kalman Filter Approach to Reduce PAPR in OFDM Transmission

effectively.

References

- Mohammad Zavid Parvez, Md. Abdullah Al Baki, "Peak To Average Power Ratio (Papr) Reduction In Ofdm Based Radio Systems", 2010

Index Terms

Computer Science
Communications
Keywords
Papr  Ofdm  Mimo-ofdm  Kalman Filter.