Abstract

A combined model of Partial Transmit Sequence (PTS) and a Companding Transform is proposed to reduce Peak-to-Average Power Ratio (PAPR) in Orthogonal Frequency Division Multiplexing (OFDM). Simulation results demonstrate that the proposed scheme can substantially offer better PAPR reduction and BER performance.

References

- T. Jiang and G. Zhu, "Nonlinear companding transform for reducing

**Index Terms**

Computer Science  Communication Systems

**Keywords**

- Complementary Cumulative Distribution Function (CCDF)
- Nonlinear Companding Transform (NCT)
- Orthogonal Frequency Division Multiplexing (OFDM)
- Partial Transmit Sequence (PTS)
- Peak-to-Average Power Ratio (PAPR)