

## Abstract Details

**Title:** A Survey on Peak-to-Average Power Ratio (PAPR) Reduction Techniques of OFDM Signals

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**Abstract:** Orthogonal frequency division multiplexing (OFDM) has been adopted as a standard for various high data rate wireless communication systems due to the high spectral bandwidth efficiency, robustness to frequency selective fading channels, well suited for mimo technology; Facilitate frequency-domain scheduling supports flexible bandwidth deployment etc. However, implementation of the OFDM system entails several difficulties. One of the major drawbacks is the high peak-to-average power ratio (PAPR). High PAPR causes saturation in power amplifiers, leading to inter modulation products among the sub carriers and disturbing out of band energy. Therefore, it is desirable to reduce the PAPR. In this paper, several techniques have been studied such as clipping, windowing, coding, tone reservation, tone injection etc.

**Keywords:** OFDM, PAPR, PTS, SLM, TR.