

Abstract

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Modified asymmetrically-clipped optical orthogonal frequency-division multiplexing system performance

Improvement in bit error rate performance of asymmetrically-clipped optical orthogonal frequency-division multiplexing (ACO-OFDM) is achieved through proposed modification by using unipolar encoding. This modification eliminates the 3 dB difference between ACO-OFDM performance and bipolar OFDM.