



Comparison of OFDM System using DWT, DCT based Image Processing

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Abstract— Peak Signal-to-Noise Ratio (PSNR) is a serious issue in OFDM systems. Several techniques have been proposed by researchers to maintain PSNR. In this paper, the Peak Signal-to-Noise Ratio (PSNR) performance of conventional discrete cosine transform (DCT)-OFDM system is compared with discrete wavelet transform (DWT)-OFDM system in a Gaussian Noise environment along with error correcting codes like Reed Solomon, LDPC

Keywords- DCT, DWT, OFDM, Reed Solomon, LDPC.