To enhance the band width usage with adding cyclic prefix and pilot insertion, wavelet based OFDM is employed for performance increment using BER analysis. This also classified on AWGN, RICIAN, RAYLEIGH and NAKAGAMI channels for BER performance based on SNR. These results as numerically compared with original OFDM, FRFT-OFDM

References

3. Swati Sharma, Sanjeevkumar, “BER Performance Evaluation of FFT-OFDM and
BER Performance of 1024 (BPSK, QPSK & QAM) using OFDM over Rayleigh, Rician and Nakagami Fading


Index Terms

Computer Science Communications

Keywords

Band Width, cyclic prefix, pilot insertion, wavelet, OFDM, BER, AWGN, RICIAN, RAYLEIGH, NAKAGAMI, SNR, FRFT-OFDM, DWT-FRFT-OFDM.