

Ministry of Higher Education
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Design And Simulation of Reduced PAPR OFDM System Using Selected Mapping (SLM) Technique

A project

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Abstract

High Peak to Average Power Ratio (PAPR) of the transmitted signal is a critical problem in multicarrier modulation systems (MCM) such as Orthogonal Frequency Division Multiplexing (OFDM), due to large number of subcarriers. High PAPR leads to reduced resolution, and battery life. It also deteriorates system performance. The purpose of this project is the design and simulation OFDM system. So design and simulation selected mapping technique (SLM) and applying this technique to reduce PAPR value. Finally, PAPR calculation are applied before and after SLM scheme.

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