Abstract

This research work has an area of interest related to 5G technology driven by the concepts and formulations of different 5G forums developed across countries. This research surveys the idea of 5G communication technique with its conquest for bandwidth versus user. In this scenario the different forum have worked with different streams of frequencies ranging in Giga hertz. However in this research paper the main study and discussion focuses on power problem highlighted in 5G. This research work cares about FBMC 5G technique which remains a powerful contender of 5G with a disadvantage of power, the power problem is formulated using PAPR term and its reduction is also applied based on different techniques of PAPR reduction which are applicable to 4G LTE technique. Thus after careful observations the research paper recommends DSLM as a powerful technique of PAPR reduction 5G systems with the least PAPR values.
Index Terms

Computer Science    Wireless
Keywords

FBMC, Clipping, SLM, DSLM, PHYDAS, PAPR, Emphatic, OQAM, 5G, ITU