ENERGY EFFICIENT COMMUNICATION USING FEMTOCELL - A REVIEW

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ABSTRACT

This paper presents the concept of femtocell in improving energy efficiency of a wireless communication network (with high capacity, higher data rate, etc.).It provides information about global power consumption and CO2 emission by ICT (*Information and Communication Technology)* sector. It outlines the significance of energy efficiency in modern and future wireless network performance in terms of energy demands. Numerous examples and reviews are also discussed. It is shown that the use of femtocell will result in a significant reduction of the network energy consumption as the user demand for high data rates increases.

KEYWORDS: Energy Efficiency, ICT, Mobile Networks, Femtocell, Macrocell, 3G, Wi-Fi