

Evaluation of some power control methods applied to 5G systems

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Abstract: This paper reviews and evaluates modern power control methods applied in 5G mobile systems. The research context is driven by the necessity of optimizing energy and data transmission performance in new mobile networks. The objective is to determine the suitability, effectiveness, and deployment potential of these methods through theoretical and experimental evaluation. Thereby, the research contributes to the understanding of 5G technology and provides a foundation for the development of advanced power control systems in the future.

Keywords: 5G system, Power control, Mobile network, Energy efficiency, Experimental research