Abstract

Power in any cellular network is a key degree of freedom in management of connectivity, energy factors, speed etc. As the Network evolved, a new-generation technology for mobile communication was specially created to fulfill the need of bandwidth ravenous user’s viz. LTE, WCDMA, UMTS, but this technology demand more power. So Power control in uplink and downlink has been major concern in cellular network (LTE) because of limited resources in user equipment (UE). So save power at different level of network are discussed.
Overview of Power Optimization in LTE Network

- Ali T. Koc, Member, IEEE, Satish C. Jha, Member, IEEE, Rath Vannithamby, Senior Member, IEEE, and Murat Torlak, Senior Member, IEEE, "Device Power Saving and Latency Optimization in LTE-A Networks Through DRX Configuration," IEEE Transaction
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