PERFORMANCE EVALUATION OF SCHEDULING STRATEGY FOR VARIOUS VELOCITIES IN LTE SYSTEM

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ABSTRACT

The great demand in connected mobile broadband lifestyle has evolved the new mobile technology standards called Long Term Evolution (LTE). With high system capacity/throughput and low latency requirement from 3GPP, scheduling strategy is one of the key elements that maintain the performance of LTE system besides upgrading the channel bandwidth and MIMO antenna technology. Due to the limitation on actual LTE networks, simulation is an option to evaluate the performance of available scheduling strategy. In this paper, performance of various scheduling strategy was evaluated and optimum scheduling strategy was proposed by simulation in low and medium density environment with one base station for various velocities.

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