Abstract

Mobility is an important factor in wireless networks because internet connectivity can be effective only if it is available during the movement of node. WiMAX standard IEEE 802.16e supports full mobility. This paper mainly focuses on the mobility i.e. when mobile node moves from one cellular BS (base station) to another cellular BS during this handover process is carried out for the movement. So in this paper simulative analysis is done for the performance of mobility in WiMAX network implemented by using OPNET 14.5. Three different scenarios having different number of BS's are compared for the performance of network and also HARQ and scanning parameter effect is also observed. Performance is measured in QoS like jitter, end-to-end delay, load, Throughput, traffic received, Network Delay, etc.

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Index Terms

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