QoS Analysis over WiMAX Network with Varying Modulation Schemes and Efficiency Modes

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 162
Number 8

Year of Publication: 2017

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Abstract

Real time media applications such as video conferencing, Video on Demand, live video streaming have made a significant strike in business, education, medicine, media and several other fields. Video applications are delay and noise sensitive and require higher bandwidths. To accomplish this, there is an ever growing need of Quality of Services (QoS) for establishing these applications. IEEE 802.16 standard for wireless broadband, Worldwide Interoperability for Microwave Access (WiMAX) is a technology that provides QoS. In this paper a comparative analysis of video conferencing over WiMAX networks is conducted. QoS parameters like network delay, load and throughput are evaluated with respect to different modulation schemes and efficiency modes using Opnet Modeler 14.5.

References


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Index Terms

Computer Science Networks
Keywords

WiMAX, video conferencing, QoS parameters, Opnet