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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.

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### Index Terms

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## **Keywords**

WiMAX, video conferencing, QoS parameters, Opnet