Abstract

The Wi-MAX (Worldwide Interoperability for Microwaves Access) is an efficient technology which can deliver videos, images and voice at higher data rates. The development of 802.16 standards for BWA (Broadband Wireless Access) technologies was encouraged by the rapidly growing need for higher data rates, everywhere and cost-effective access. The Wi-MAX can also be considered to be the main technology in the implementation of other networks like wireless sensor networks. Developing an understanding of the Wi-MAX system can be best achieved by looking at a model of the Wi-MAX system. In this paper, we are investigating the performance of IEEE 802.16 Wireless MAN network with various modulation techniques as well as other methodologies which inherently improve the performance of Wi-MAX System. Different methodologies have been proposed to enhance the performance of wireless communication system.

References

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Index Terms

Computer Science

Wireless

Keywords

IEEE 802.16  Digital Modulation Techniques  Linear and Non-Linear Algorithms.