Abstract

Worldwide interoperability for Microwave Access (WiMAX) standard is based on the IEEE 802.16-2005. It provides wireless broadband for fixed and mobile terminals. The demand for broadband wireless services is increasing day by day. In this paper performance analysis of physical layer of WiMAX system are evaluated by using different modulation techniques like QPSK $\frac{1}{2}$, 16 QAM $\frac{1}{2}$ and 64 QAM. By using different modulation techniques we compare the
QoS Analysis using Different FFT Size for Wimax Network

results of downlink BER, downlink SNR and uplink SNR on the behalf of different FFT size like 128, 512, 1024 and 2048. In this paper we considered the effects of varying the FFT size were observed on the downlink BER, downlink SNR and uplink SNR.

References


Index Terms

Computer Science

Wireless Communications
Keywords
Wimax  Ofdm  Opnet  Ber  Fft  Qos