The Effect of Interference of Mobile ADHOC Networks on WIMAX

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

Volume 149 - Number 7

Year of Publication: 2016

Authors:
Sajjan Virak, Amit Grover

10.5120/ijca2016911459

Abstract

In this paper the effect of interference of MANET on WIMAX is analyzed. To analyze the performance the MANET nodes are moved using different mobility patterns (Random walk and Random way point). The effect is also analyzed by varying number of cells and number of users. The performance has been analyzed in terms of throughput, traffic sent (voice) and traffic sent (video). The results show that the performance of WIMAX decreases as MANET nodes come into existence in the network but traffic sent (voice) and traffic sent (video) increases.

References


**Index Terms**

Computer Science Wireless

**Keywords**

WIMAX, MANET, OPNET.