Performance Analysis of WiMAX in Mobile Ad-hoc Networks

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Authors:
Sajjan Virak, Amit Grover

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Abstract

In this paper the performance of WiMAX is analyzed in the presence of MANET nodes. This effect is further analyzed by increasing number of cells and number of user. Further the effect of MANET nodes on WiMAX is checked by mining nodes using different mobility patterns (Random walk and Random way point). The performance has been analyzed in terms of Load, packet delay variation and packet end to end delay. The results show that the performance of WiMAX decreases as MANET nodes come into existence in the network.

References


Index Terms

Computer Science                    Wireless

Keywords
WiMAX, MANET, OPNET.