Abstract

In this study, we present a measurement-based model for path loss prediction in three GSM service areas at 900 MHz. Modified Hata model for rural, suburban, and urban environments were derived in this study on the basis of experimental path loss measurements with the use of least square method. The models developed predicted with reasonable accuracy the path loss of radio networks investigated with a root mean square error of
- Budhiraja, R. and J. S. Jadon, Study And Implementation Of Drive Test For Development Of GSM Network.

**Index Terms**

Computer Science

Information Sciences
Optimization of Hata Model based on Measurements Data using Least Square Method: A Case Study in Dar-es-Salaam – Tanzania

Keywords
Path loss prediction  Hata model  Mean Root Mean Square Error  Linear Least Square Method