Abstract

In this paper, a comprehensive review of the propagation prediction models for LTE Advanced is presented and computation of path loss for different terrains rural, dense urban, suburban and open terrain has been carried using MATLAB based simulations for various prediction techniques such as COST-231 Hata model, COST Walfish-Ikegami method, SUI model and Egli model for broadband and mobile services. The paper studies the path loss models of the wideband channels at 2.3GHz, 2.6GHz and 3.5 GHz for the LTE-Advanced Network.
Prediction Methods for Long Term Evolution (LTE) Advanced Network at 2.4 GHz, 2.6 GHz and 3.5 GHz


Index Terms

Computer Science Wireless

Keywords

Lte Path Loss Propagation Models