

Research on the operating mechanism of mobile phones in GSM networks

Dao Xuan Khang

Abstract: In the modern context, the development and widespread application of mobile phones create a need for a deeper understanding of their operational mechanisms within the GSM network. This topic aims to study the theory of mobile phone operation in the GSM system and conduct experiments to verify the results. Through the analysis of fundamental principles, the topic will provide solutions to challenges related to performance and reliability in mobile networks. The expected outcome is a comprehensive evaluation of how mobile phones interact with the GSM network, contributing to the general understanding of the research community.

Keywords: mobile, GSM, operating mechanism, mobile network, experiment