

Simulation to evaluate the channel quality between two mobile communication systems 4G LTE and LTE Advanced

Nguyen Thi Ca Chi

Abstract: This topic focuses on simulating and evaluating the quality of the communication channel between two mobile communication systems, 4G LTE and LTE Advanced, in order to address issues of compatibility and data transmission performance between mobile devices in practice. The objective of the research is to build a simulation model to evaluate the transmission performance between these two systems. The method combines theory with experimentation to provide solutions for current difficulties in deploying multi-standard mobile systems. Through this, the topic expects to contribute to the development and improvement of the quality of wireless communication services.

Keywords: 4G LTE, LTE Advanced, channel simulation, mobile communication system, performance evaluation