

Annotation

The 5G network is a new step in cellular communication technology and the telecommunications industry. 5G is not ideal in terms of information security, however, opening the way to new opportunities. This thesis analyzes the main disadvantages of information security in the 5G network and the ways to solve them are fully described.

In the practical part of the thesis, the 5G network was designed and the work on information security was performed. In the section Safety of life, calculations were made based on the harmfulness of electric current in the area with the design installation. In the information security risk assessment section of the diploma project, the risks were assessed by two parameters.