

Abstract

In this thesis project a fourth-generation network based on LTE technology in Pavlodar to provide broadband Internet access was done. Calculated range and coverage area of the base station, the as well as evaluate the capacity of the network. Defined real-possible data rate.

The analysis of the premises, the calculation of indicators of natural and artificial lighting in the section safety were done.

In the economy provided a business plan. Taking into account all costs and profits calculated payback period.