

**Abstract**

The purpose of the degree project is the organization of a broadband wireless network on the basis of the LTE technologies in the city of Semey. Development of the LTE technologies and interaction with other networks and possibility of creation of a network on the existing network are considered. In the degree project the main are considered the LTE technologies, use of the MIMO antenna service and the equipment by means of which will be carried out this project. Elections more the best a way of realization are made. Calculation for development of a network, providing measures of labor protection and health and safety is given in a network; calculation of economic part with the purpose to define efficiency of the proposed solutions.