

**Abstract**

In the degree project questions of development of virtual laboratory works on wireless networks are considered.

Laboratory works were performed in the program Radio Mobile platform. The program platform allows to make planning of a wireless network, to find the optimum location of a base station, to make calculation of a coverage zone, calculation of a profile of the district.

In the degree project calculation of a coverage zone of a base station, calculation of a zone of an interference, calculation of a coverage zone in polar coordinates, calculation was made by the Okumura (Hata) method. Calculations for health and safety and technical and economic calculations were also given.