

**Annotation**

This project examines the connection base stations over IP to increase the coverage area of radio communications in the city of Almaty.

This thesis project describes the characteristics of a radio communication system based on a compound of base stations over IP, design and application are carried out calculations of coverage in the city of Almaty and the capacity of the system.

To do this, select the hardware, make the appropriate calculations, and will consider the analysis of dangerous and harmful factors and protective measures for the protection of labor. In the economic part of the calculated costs for the development, design and implementation of technology.