

### **Annotation**

This diploma work consists of 3 sections, each of which is described in greater detail below.

In the first section, a brief description of the classification and automated ground stations have been considered; studied typing and data volume transmitted from a satellite to a ground station; as well as the main parts, automatic ground station is designed to receive data from the satellite.

The second section of the thesis is devoted to the economic component of my development; a calculation of material costs, as well as the final calculation of the cost of the future station.

Under number 3, dedicated to health and safety, impact factors have been considered, as well as ways to protect people from the effects of electromagnetic radiation.

At the end of the graduation project presented main results of the work performed.