

Abstract

The theme of the diploma project is «Communication in the short-wave (SW)-range for short distances».

The work involved the analysis, calculations, graphing. Conclusions all the above points. It was considered the main features of the ionosphere near shortwave communications. We characterize the work of short-range equipment NVIS. Optimally determined elevation angle for continuous coverage of the desired area of coverage. Selected the most suitable antennas and receiving-transmitting devices.

In addition, the analysis is considered in the enterprise communications and

life safety measures. The feasibility of the graduation project, costs of equipment, maintenance and basic indicators of economic efficiency were calculated.