

## ANNOTATION

Graduate work consists of the main part of 100 pages, 22 figures and 5 references.

Object is 5G wireless technology.

The aim of the graduate work is to identify and explore the main features of MIMO technology when planning a 5G wireless network.

The result of the graduate work is to define the main features of the network 5G, determine how to implement this network using MIMO technology and draw conclusions on the feasibility of using MIMO technology in implementing networks 5th generation.

The results of this work can be used by operators of mobile communications for the planning and modeling of telecommunications wireless networks.

5G, MIMO, ARCHITECTURE, FREQUENCY BANDS,  
TECHNOLOGY, GENERATION, TRANSMISSION, RECEPTION,  
ANTENNAS, MOBILITY, NETWORK.