

**Abstract**

In this thesis project investigates the transmission of digital television signals over an IP network.

There is need to lay the network FOCS between stations PBX -41 in the Metallurgist and PBX-42 in Alatau districts with the provision of the IPTV service to the dispensary of Tekeli city. Appropriated equipment was selected and was made estimations of parameters that characterize the network.

Provided feasibility study and considered issues of life safety.