

Annotation

In this work, the basic frequency of the TETRA system, the basic operating standard; standard interface, the main characteristics (and structure) of the protocol tetra radio interface standard; data transfer, modulation methods used, encryption and information protection. In MatLab Simulink, filters are defined according to TETRA specifications.

The main tasks were to calculate the basic parameters of the network, the radius of coverage, the analysis of network capacity. Identified in life safety and economic efficiency.