ABSTRACT

The purpose of the work is to analyze single-frequency RRCL and perfection of methods of autocompensation of obstacles, development the autocompensator of powerful signals from his own transmitter for single-frequency RRCL.

This work considers basic principles of construction of onefrequency RRCL with all features and principles of construction of autocompensators for single-frequency RRCL,

Tasks of the work: 1) Data collection and analysis of existing systems; 2) Analysis of realization of the use of one stripe of frequencies; 3) Analysis of methods and decisions of autoindemnification of obstacles; 4) Analysis of single-frequency RRCL; 5) Choice and ground of schematics decisions for autocompensator;

Novelty: in the course of the work, single-frequency RRCL and the efficiency of construction of a powerful signal compensator based on a circulator were analyzed.

Structure of work. The work consists of an abstract, a table of contents, a list of conditional abbreviations, an introduction, three chapters, conclusions to each section, a general conclusion and a list of sources used.