

The proposed method for adjusting and testing the acousto-optical unit for measuring the carrier frequency of the input signals of a radio control station consists in independently adjusting units for receiving radio signals, the optical system, and the signal processor, testing the acousto-optical unit in steady states, and carrying out the assembly testing of the acousto-optical unit by standard measuring devices and computer facilities. The method differs in that, for the purpose to enhance the efficiency of the adjustment and testing process, the adjustment and testing operations are simulated and the resulting data are displayed as diagrams, bar charts, and other graphic presentation on the screen of the computer display that allow to determine effect of control actions on the parameters of the acousto-optical unit and the correspondence of the parameters to specified requirements from the changes of the color, dimensions, and shape of the graphic presentation elements. The present invention provides the possibility to simplify the adjustment and testing process, reduce the time of the adjustment and testing process, and reduce the number of test instruments used in the adjustment and testing process.