

The proposed method for adjusting and testing the unit for switching and amplifying microwave signals of a radio control station and a device for the realization of the method relate to auxiliary facilities used for adjustment and diagnostics of radio equipment. The method consists in supplying preset sequences of test signals to the input of the unit, measuring the output signals of the unit, comparing the said input and output signals according to the specified diagnostic program, and determining the parameters characterizing the state of the unit from the comparison result data. As the said parameters, the parameters of the gain-frequency characteristic and the sensitivity of each signal amplification and processing channel are used.

The proposed device for the realization of the method contains a control stand, to which the unit for switching and amplifying microwave signals, standard measuring devices, and programmed test facilities are connected. The control stand contains a control unit, a switch, a power supply unit, an indicator, a keyboard, and additionally, a random-access memory.

The present invention provides the possibility to simplify the adjustment and testing process for the unit for switching and amplifying microwave signals, enhance the reliability of the test results, carry out the adjustment and testing process with the aid of personnel of a medium professional skill level, and reduce the time of the adjustment and testing.