

Testing of the adjustable RF amplifier of the Nuclotron station.

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The adjustable amplifier unit in combination with the automatic gain control unit is designed to regulate and maintain the amplitude of the RF voltage at the accelerating electrode at a predetermined level. The tasks included circuit modernization, installation and bench testing of an adjustable amplifier. The circuit and topology of the board were developed to ensure the uniformity of electronic components. Subsequently, the circuit elements were assembled. Next, the unit was tuned and debugged in bench tests. Bench tests have shown the effective operation of the adjustable amplifier.

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