

ARDUINO-BASED AUTOMATED SYSTEM FOR MEASUREMENT AND MANAGEMENT OF MICROWAVE SIGNAL POWER LEVEL

The work demonstrates a possibility of modernization and expansion of the obsolete radio measuring apparatus capabilities with the use of a modern Arduino-based electronics. The automation project for the polarization attenuator in the C-band is based on the AVR ATmega microcontroller. The proposed system not only allows one to automatically measure and control the power of microwave signals, but also claims to mass design and production as a separate measuring unit for modern systems of processing and analyzing information in the C-band.

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