



Belarusian State University
of Informatics and Radioelectronics

R&D Department

Announcement

BSUIR at the International Forum-Exhibition

“Accurate measurements – the basis of quality and safety”
(MetrolExpo'2024)

September 26–28, 2024

Moscow, Russia

Exhibition complex "Gostiny Dvor", Ilyinka st., 4
BSUIR stand No. D16.

MetrolExpo is a platform for interaction between consumers and manufacturers of measuring, testing, laboratory and metrological equipment, standards and standard samples.

Exhibition topics:

- Metrology;
- Measurements;
- Testing and analytics;
- Diagnostics and control;
- Automation.

At the exhibition, BSUIR will present high-tech microwave devices, scientific and technical services in the field of calibration and testing of millimeter-wave range equipment.

STANDARD SYSTEMS OF UNITS OF ATTENUATION AND UNITS OF POWER IN THE FIELD OF MICROWAVE MEASUREMENTS.



Development and production of measuring instruments in the range from 0.01 up to 220.0 GHz and higher.

- Absorbed power wattmeters M2-MBM-;
- Panoramic VSWR and attenuation meters P2-MBM-;
- Complex reflection and transmission coefficient meters P4-MBM-;
- Signal generators Г4-MBM-;
- Calorimeters MK-MBM-.

Calibration of microwave and ultra-high frequency measuring instruments

(Generators; sweep frequency generators; VSWR, attenuation, complex transmission and reflection coefficient meters, wattmeters; power converters; attenuators in the corresponding frequency ranges (according to the scope of accreditation defined by the accreditation certificate).

Testing of microwave and ultra-high frequency modules and units:

- testing of products (microwave/UHF modules and units) in accordance with the scope of accreditation of the laboratory for compliance with the requirements of regulatory legal acts,
- design, manufacture and repair of microwave and ultra-high frequency measuring equipment in the frequency range from 10 MHz to 220 GHz,
- development of proposals for improving regulatory legal acts, stating requirements for products, organizing their testing,
- development and improvement of measurement methods and testing methods for products, regulatory legal acts in the field of microwave measurements,
- participation in state testing of products for compliance with regulatory legal requirements and other metrological work,
- conducting tests on the basis of the submission of arbitration, judicial and investigative bodies, organizations and enterprises,
- hosting seminars and meetings on microwave measurements and testing,
- improving the work of testing laboratories of a similar profile.

Developer: Research, industrial and training innovation center of microwave technologies and metrology support – MWMLab.

[About the developer](#)