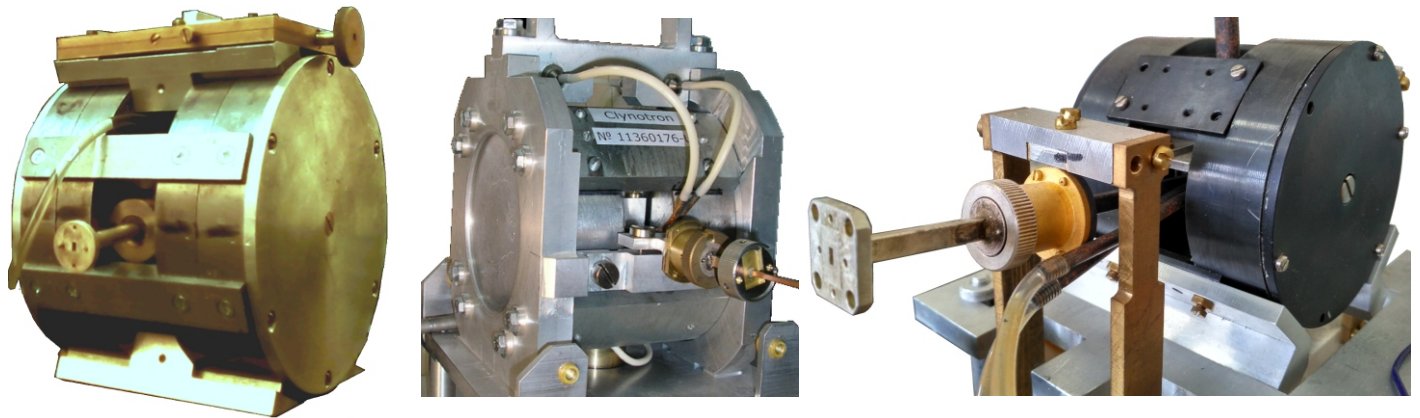


POWERFUL THz MODULE BASED ON CONTINUOUS-WAVE CLINOTRONS

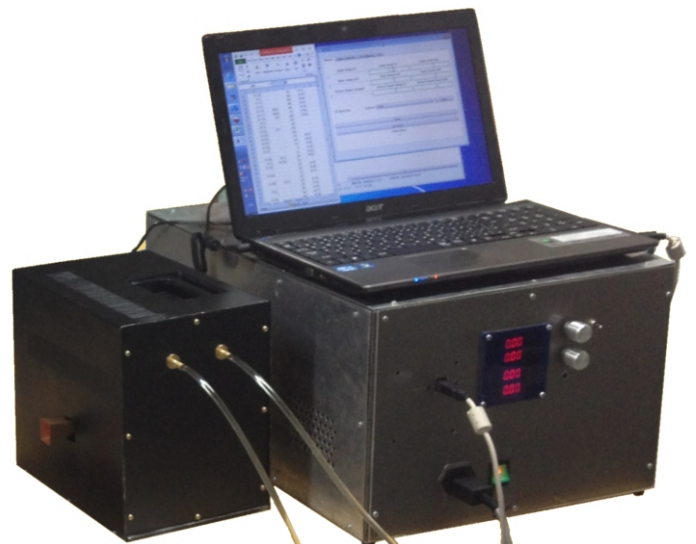


Areas of Application

THz Module is intended for medical and biological research, DNP-NMR and ESR spectroscopy, THz imaging, plasma diagnostics, high data rate communication, radar and remote sensing systems.

Specification

RF output power:	1.5 – 0.05 mW
Operating frequencies:	100 – 410 GHz
Spectral line width:	1 – 10 MHz
RF power stability:	better than 1 %
RF output:	WR-15
Cooling system:	water cooling



Advantages

THz module has electronic frequency tuning in wide frequency range. The system has remote control, data communication via USB connection and user-friendly software. The module is more powerful comparing with other compact THz radiation sources.

Stage of Development

IRL5, TRL5.

Manufacture, delivery, installation and warranty maintenance available upon request.

IPR Protection

IPR1

Contacts

Oleksiy Kuleshov; O.Ya.Usikov Institute for Radiophysics and Electronics, National Academy of Sciences of Ukraine; +38 057 763 4317; jeanalexkh@gmail.com