THEZZERACT

The frequency region between microwave and infrared part of the spectrum, called teraherty (THz), encompasses electromagnetic waves oscillating at frequencies, loosely defined, in the range 0.1 to 30 THz. Generating or detecting

radiation in this range quite has proved challenging, owing mainly to the presence of background sources incoherent light.

Nevertheless, this radiation has unique properties that makes it particularly attractive for applications ranging

Scanning interferometer for VIS measurements

from bio-medical imaging, national security and packaged goods inspection to remote sensing and spectroscopy. Moreover, with an energy between 0.4 and 124 me Vit is non-00000 ionizing therefore, not harmful to the living world. The project demonstrates raster Scanning interferometer for THz measurements scanning imaging and its Fourier application to transform spectroscopy and shifting phase interferometry at this range of wavelengths.

THz scanning interferometer with enhanced tion using amplitute c

INFO

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Acronym: THEZSERACT Contractor: INFLPR Contracting authority: UEFISCDI

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