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Author

Palka N.

Title

THz Reflection Spectroscopy of Explosives Measured by Time Domain Spectroscopy

Source

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Abstract

Reflection spectra of pure explosive materials and their simulants were measured in transmission and reflection by means of time domain spectroscopy in the range 0.1-3 THz. Spectra measured in two reflection configurations: specular with incident angle equal to 45 degrees and stand-off with close to normal incidence and distance 30 and 40 cm to samples was analyzed.