

Abstracts

Near-field synthetic aperture interferometric microwave radiometry for remote sensing of mines

R.J. Tan and R. Bender. "Near-field synthetic aperture interferometric microwave radiometry for remote sensing of mines." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1611-1614 vol.4.

A study was conducted for the use of a synthetic aperture interferometric radiometer (SAIR) for mine detection at near-field ranges using a 1.4-GHz laboratory prototype. Images of a buried aluminum plate, generated using a backprojection technique, are presented and compared to theory.

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