

Abstracts

Millimeter-Wave Imaging Sensor (Oct. 1986 [T-MTT])

W.J. Wilson, R.J. Howard, A. Ibbott, G.S. Parks and W.B. Ricketts. "Millimeter-Wave Imaging Sensor (Oct. 1986 [T-MTT])." 1986 Transactions on Microwave Theory and Techniques 34.10 (Oct. 1986 [T-MTT] (Special Issue on New and Future Applications of Microwave Systems)): 1026-1035.

A scanning 3-mm radiometer system has been built and used on a helicopter to produce moderate-resolution (0.5°) images of the ground. This millimeter-wave sensor can be used for a variety of remote-sensing applications and produces images through clouds, smoke, and dust when visual and IR sensors are not usable. The system is described and imaging results are presented.

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