

Abstracts

Some Theory and Preliminary Experiments on Microwave Radiometry of Biological Systems

J.B. del Blanco, C. Romero-Sierra and J.A. Tanner. "Some Theory and Preliminary Experiments on Microwave Radiometry of Biological Systems." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 41-44.

The theory of microwave radiometry of biological systems is outlined. To check theoretical predictions, an X-band microwave radiometer of the correlation type has been built. More recently, a new series of experiments have been conducted with a self-nulling Dicke radiometer operating at 9.2 GHz. Preliminary experiments performed on humans and some lower animals and plant vegetation show, in principle, the correctness of the theory.

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