

Abstracts

Parametric Modelling of Complex Permittivity and Permeability

T. Van den Broeck, G. Dhondt, A. Barel and L. Martens. "Parametric Modelling of Complex Permittivity and Permeability." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1419-1422.

This paper proposes a new method for measuring the complex permittivity and permeability of materials at microwave frequencies. Starting from reflection/transmission measurements, a parametric model of epsilon and μ is determined using a maximum likelihood estimator.

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