

Abstracts

An Alternative Broadband Method for Automatic Measurement of the Complex Permeability and Permittivity of Materials at Microwave Frequencies

B.B. Szendrenyi, K. Kazi and I. Mojzes. "An Alternative Broadband Method for Automatic Measurement of the Complex Permeability and Permittivity of Materials at Microwave Frequencies." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 743-746.

An alternative broadband method for the simultaneous measurement of the complex permeability and permittivity of lossy microwave solid materials or liquids by automatic network analyzer technique is reported. Both theoretical and practical aspects will be presented in details. Calibration parts, samples with sample holders correlated to measured data will be demonstrated.

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