

Abstracts

Substitution Method for Swept-Frequency Measurements of Dielectric Properties at Microwave Frequencies (Short Papers)

M.J. Hagmann and O.P. Gandhi. "Substitution Method for Swept-Frequency Measurements of Dielectric Properties at Microwave Frequencies (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.1 (Jan. 1982 [T-MTT]): 103-106.

A solid-state computer-controlled system has been used to make swept-frequency measurements of the insertion loss and reflectance of biological specimens and other media. A substitution procedure was used for direct comparison of samples to allow determination of small differences (on the order of 0.1 dB) in insertion loss and reflectance.

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