

Abstracts

Measurement of Radio Frequency Permittivity of Biological Tissues with an Open-Ended Coaxial Line: Part I

T.W. Athey, M.A. Stuchly and S.S. Stuchly. "Measurement of Radio Frequency Permittivity of Biological Tissues with an Open-Ended Coaxial Line: Part I." 1982 Transactions on Microwave Theory and Techniques 30.1 (Jan. 1982 [T-MTT]): 82-86.

An open-ended coaxial line is analyzed as a sensor for in vivo measurement of the complex permittivity of biological substances. The measurement system, based on two computerized network analyzers operating at frequencies from 10 MHz to 1 GHz, is described. Experimental results are presented in a companion paper.

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