

Abstracts

An Experimental Technique for In Vivo Permittivity Measurement of Materials at Microwave Frequencies (Short Papers)

K.F. Staebell and D. Misra. "An Experimental Technique for In Vivo Permittivity Measurement of Materials at Microwave Frequencies (Short Papers)." 1990 Transactions on Microwave Theory and Techniques 38.3 (Mar. 1990 [T-MTT]): 337-339.

This paper involves the formulation of a new procedure to be used in making in vivo dielectric measurements with an open-ended coaxial line probe. The theory behind the technique is discussed along with a correction method to account for the system imperfections. Experimental results are compared with the corresponding data available in the literature. The limitations of this technique are considered.

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