

Modelisation of Microstrip-Microslot Applicator by Extension of Transmission Line Model

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In this paper we present a model which allows to characterize a microstrip-slot radiator used in biomedical applications. The approach used is based on the transmission line model of radiating antennas. This usual model is improved by using S.D.A. in order to calculate the microwave parameters of the microstrip line with tuning septums which constitutes the transmission line. The validity of our approach is confirmed by comparison with experimental results.

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