

Abstracts

Design and Modeling Using the FDTD Method of Planar Multi-Applicators for Microwave Hyperthermia

P.-Y. Cresson, C. Michel, L. Dubois, M. Chive and J. Pribetich. "Design and Modeling Using the FDTD Method of Planar Multi-Applicators for Microwave Hyperthermia." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 1097-1100.

This paper describes a new kind of external planar applicators with several patches called multi-applicator which have been developed for microwave hyperthermia controlled by microwave radiometry. The possibility to obtain larger heating patterns than with a single patch applicator is clearly focused by the theoretical results which are presented and verified by experimental measurements.

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