

Abstracts

Experimental and Theoretical Studies on Electromagnetic Fields Induced Inside Finite Biological Bodies

B.S. Guru and K.-M. Chen. "Experimental and Theoretical Studies on Electromagnetic Fields Induced Inside Finite Biological Bodies." 1976 Transactions on Microwave Theory and Techniques 24.7 (Jul. 1976 [T-MTT]): 433-440.

The total electric field inside some simulated biological bodies induced by an electromagnetic wave has been quantified by the recently developed tensor integral equation method and measured by an insulated probe. In general, the induced electric field inside a biological body was found to be quite complicated. An excellent agreement was obtained between theory and experiment.

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