

Abstracts

Focused Electromagnetic Heating of Muscle Tissue (Short Papers)

P. Raskmark and J.B. Andersen. "Focused Electromagnetic Heating of Muscle Tissue (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.8 (Aug. 1984 [T-MTT] (Special Issue on Electromagnetic-Wave Interactions with Biological Systems)): 887-888.

A cylinder of muscle tissue may be heated at depth by applying an electric field to a circumferential gap in a metallic cylinder surrounding the tissue. Experiments at 150 MHz on a 10-cm-diameter cylinder verify the theoretical calculations and show a well-defined focus on the axis.

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