

Abstracts

Electromagnetic Power Absorption in Anisotropic Tissue Media (Short Papers)

C.C. Johnson, C.H. Durney and H. Massoudi. "Electromagnetic Power Absorption in Anisotropic Tissue Media (Short Papers)." 1975 Transactions on Microwave Theory and Techniques 23.6 (Jun. 1975 [T-MTT]): 529-532.

Strong dielectric-constant anisotropy exists in muscle tissue at the lower microwave frequencies. Based on a model derived from tissue measurements, an analysis is carried out for single and multiple tissue layers. Calculated effects of tissue anisotropy on microwave fields and power absorption in the tissues are presented.

 [Return to main document.](#)