

Abstracts

Complex Permittivity and Penetration Depth of Certain Biological Tissue Between 40 and 90 GHz

J. Edrich and P.C. Hardee. "Complex Permittivity and Penetration Depth of Certain Biological Tissue Between 40 and 90 GHz." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 288-290.

First measurements of the complex permittivity and penetration depth of millimeter waves in fat and muscle tissue are reported. A new phaseless reduction technique is used. Significant variations of tissue properties after death were found.

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