

Abstracts

Near Zone Microwave Exposure of a Biological Sphere

K. Al-Badwaihy and S.A. Hafiz. "Near Zone Microwave Exposure of a Biological Sphere." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 352-353.

Power deposited into a spherical model of biological tissues is computed for an exciting axial electric or magnetic dipole at different locations and for different frequencies. It is found that near zone fields may deposit higher power into biological structures than plane waves having the same incident strength.

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