

Abstracts

Field Calculation in Models of Man in the Near-Field of Antennas

G. Schaller, R. Engelbrecht and J. Erb. "Field Calculation in Models of Man in the Near-Field of Antennas." 1995 MTT-S International Microwave Symposium Digest 95.1 (1995 Vol. 1 [MWSYM]): 291-294.

For two examples the electromagnetic field is calculated inside and in the vicinity of properly modelled man in the near-field of antennas. The first example illustrates the SAR - distribution in a medical attendant near a deep hyperthermia system, whereas in the second example fields are calculated in a human head exposed to hand-held E-net phones. Both cases are investigated applying a 3-D field calculation program based on a finite integration algorithm.

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