

Abstracts

Modified Concentric Loop for Focused Electromagnetic Heating of Limbs and Torsos (Short Papers)

K.A. Nabulsi and J.R. Wait. "Modified Concentric Loop for Focused Electromagnetic Heating of Limbs and Torsos (Short Papers)." 1992 Transactions on Microwave Theory and Techniques 40.5 (May 1992 [T-MTT]): 1010-1012.

An idealized two dimensional model of modified concentric loop for focused electromagnetic heating of limbs and torsos is considered. In contrast to the uniform current excitation, the present scheme has two current nulls diametrically opposite to one another. In this case, the circumferential electric field does not vanish on the axis which overcomes the principal criticism of the uniform loop.

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