

Abstracts

3D-FDTD subgridding technique applied to radiating structures

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A 3D-FDTD subgridding technique based on a finite element formulation is presented. This subgridding technique is applied to compute the input impedance of a mobile phone antenna. The obtained results are in good agreement with those obtained using a uniform mesh, while the CPU time and the used computer memory are largely less important.

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