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Title *Electromagnetic Propagation in Multilayered Dielectric-Metamaterial Media*

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Abstract

The propagation of EM wave in multilayered dielectric-metamaterial media is studied. The reflection coefficient for different configurations of dielectric-metamaterial layers is computed. The simulated results are validated against the results available in open literature. The study carried out is used in analyzing RF field build-up within a rectangular metallic box coated with metamaterial.