Abstracts

Full-wave analysis of a periodic array of rectangular lossy conductive thick patches

L. Pierantoni, L. de Luca and T. Rozzi. "Full-wave analysis of a periodic array of rectangular lossy conductive thick patches." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 1073-1076.

We present a full-wave analysis of an infinite array of free-standing rectangular patches. The patches are thick and made of nonperfectly conducting material. The rigorous analysis involves the evaluation of the induced volume currents and is capable, in principle, of handling arbitrarily shaped geometries. For the case of a normally incident wave, the computed results are in very good agreement with experimental data reported in literature.

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