

Abstracts

TLM analysis of microstrip patch antenna on ferrite substrate

M.I. Sobhy, M.W.R. Ng, G.J. Langley and J.C. Batchelor. "TLM analysis of microstrip patch antenna on ferrite substrate." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1297-1300 vol.3.

A new TLM(SCN) algorithm has been developed for the simulation of microstrip antenna on magnetized ferrite substrate. The anisotropic permeability tensor of ferrite is modelled by state equations derived from the Polder tensor. Simulation results agree with measurement.

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