

Abstracts

Coupling Through a Slot Between a Dielectric Image Line and a Parallel Plate Guide

R.D. Nevels and C.M. Butler. "Coupling Through a Slot Between a Dielectric Image Line and a Parallel Plate Guide." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 298-299.

In this paper we formulate the exact integral equation for the tangential electric field in a slot in a parallel plate waveguide covered by a dielectric slab. The integral equation is solved numerically and the power transmitted into the far space wave and bi-directional surface wave is investigated.

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