# Abstracts

## Scattering Analyses Of Asymmetric Conductor-backed CPW Open-end Discontinuity Problem

*Shih-Ping Liu and C.-K.C. Tzuang. "Scattering Analyses Of Asymmetric Conductor-backed CPW Open-end Discontinuity Problem." 1997 Microwave and Guided Wave Letters 7.5 (May 1997 [MGWL]): 130-132.*

The space-domain integral equation method using the generalized scattering matrix description of microwave passive circuits is employed to investigate the mode conversion of a CBCPW open-end discontinuity with unequal side plane widths. The conversion into two additional dominant modes, the c-mode-like mode and the pi-mode-like mode, and into the transmitted microstrip mode from an incident CPW mode is studied against side plane width, degree of asymmetry, substrate thickness, and frequency. Theoretical results are in excellent agreement with experimental ones.

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