

Abstracts

Behavioral feature of the space-wave leaky mode, the surface-wave leaky mode and the bound mode

M. Tsuji and H. Shigesawa. "Behavioral feature of the space-wave leaky mode, the surface-wave leaky mode and the bound mode." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1671-1674.

We report here our recent discoveries relating to the dispersion behaviors of printed-circuit transmission lines. Such behaviors relate to those of both the bound dominant mode and the space-wave leaky modes propagating at rather low frequencies. The discovered behaviors affect significantly the performance of microwave and millimeter-wave integrated circuits.

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