

Abstracts

Analysis of Trapped Image Guides Using Effective Dielectric Constant and Surface Impedances

W.-B. Zhou and T. Itoh. "Analysis of Trapped Image Guides Using Effective Dielectric Constant and Surface Impedances." 1982 Transactions on Microwave Theory and Techniques 30.12 (Dec. 1982 [T-MTT] (1982 Symposium Issue)): 2163-2166.

A method has been introduced to accurately predict dispersion characteristics of the trapped image guide. Numerical results agreed much better with experimental results than those previously calculated by a simple effective dielectric constant (EDC) approach especially at the low frequency end.

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