

Abstracts

Analysis of Wide Transverse Inductive Metal Strips in a Rectangular Waveguide (Short Papers)

B.H. Chu and K. Chang. "Analysis of Wide Transverse Inductive Metal Strips in a Rectangular Waveguide (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.7 (Jul. 1989 [T-MTT]): 1138-1141.

An analysis based on the variational method and the moment method has been developed to calculate the discontinuity susceptance due to one or more inductive strips in a rectangular waveguide. The strips can have wide widths and be located unsymmetrically on the transverse plane of the waveguide. The current distribution on the strips has been determined by solving a set of linear equations. The theoretical results agree closely with experiments.

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