

Abstracts

Analysis of a Wide Resonant Strip in Waveguide

H.-C.B. Chu and K. Chang. "Analysis of a Wide Resonant Strip in Waveguide." 1992 Transactions on Microwave Theory and Techniques 40.3 (Mar. 1992 [T-MTT]): 495-498.

An analysis has been developed to calculate the susceptance due to a wide resonant strip on the transverse plane of a rectangular waveguide. The theory is based upon a variational form for the susceptance, where the current distribution is determined by the moment method. Accurate results have been obtained for the wide strips as confirmed by the measurements.

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