

Abstracts

Slant Dielectric Interface Discontinuity in a Waveguide (Short Papers)

S.C. Kashyap. "Slant Dielectric Interface Discontinuity in a Waveguide (Short Papers)." 1975 *Transactions on Microwave Theory and Techniques* 23.2 (Feb. 1975 [T-MTT]): 257-260.

The reflection and transmission of electromagnetic waves by a slant interface between two dielectric media is investigated. By using suitable Green's functions and a geometrical optics approximation for the field on the dielectric interface, expressions for the transmitted and reflected fields are derived. The approximate results obtained in this manner are compared with the available numerical data and are shown to be fairly accurate for a number of cases of interest.

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