

Abstracts

Rigorous Analysis of a Longitudinal Strip on the Surface of Inset Dielectric Guide

P.D. Sewell and T. Rozzi. "Rigorous Analysis of a Longitudinal Strip on the Surface of Inset Dielectric Guide." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1059-1062.

This contribution rigorously determines the equivalent circuits of longitudinal strips of finite width on the air-dielectric interface of an Inset Dielectric Guide, (I.D.G.). These are used to design an array of dipoles forming a longitudinally polarised linear antenna, that is theoretically consistent with the properties of microstrip-loaded I.D.G.

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