

Abstracts

Rigorous Analysis of an Aperture-Coupled Microstrip Antenna Fed by a Microstrip Line on a Perpendicular Substrate

N.K. Das. "Rigorous Analysis of an Aperture-Coupled Microstrip Antenna Fed by a Microstrip Line on a Perpendicular Substrate." 1994 Microwave and Guided Wave Letters 4.6 (Jun. 1994 [MGWL]): 202-204.

A rigorous analysis of an aperture-coupled microstrip antenna fed from a perpendicular microstrip line has been developed. A hybrid spectral/space-domain method is used, along with a general reciprocity formulation, to model the perpendicular microstrip feeding. Experimental results for a prototype model are compared with computed results, showing good agreements.

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