

Abstracts

Extension of the E-Plane Scanning Range in Large Microstrip Arrays by Substrate Modification

M. Davidovitz. "Extension of the E-Plane Scanning Range in Large Microstrip Arrays by Substrate Modification." 1992 Microwave and Guided Wave Letters 2.12 (Dec. 1992 [MGWL]): 492-494.

The effect of the substrate structure modification on the E-plane scanning performance in large microstrip arrays is studied with the aid of a two-dimensional model. The goal is to alleviate scan blindness effects. The finite-element method of lines is used to solve the electromagnetic equations, thus demonstrating its applicability to open, periodic structures.

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