

Abstracts

Analysis of an Array of Four Microstrip Patch Resonators Printed on an Anisotropic Substrate (Short Papers)

Y. Chen and B. Beker. "Analysis of an Array of Four Microstrip Patch Resonators Printed on an Anisotropic Substrate (Short Papers)." 1995 Transactions on Microwave Theory and Techniques 43.2 (Feb. 1995 [T-MTT]): 460-463.

The spectral-domain approach is applied to the analysis of four microstrip patch resonator array that is printed on anisotropic substrate. Basis functions are carefully chosen to accurately represent the current distribution on each patch, corresponding to every symmetry the structure. Ample numerical results are presented which show the effects of geometrical and anisotropic medium parameters on dominant resonant frequencies of the microstrip patch array.

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