

Abstracts

A Dominant Mode Analysis of Microstrip (Short Papers)

R.P. Wharton and G.P. Rodrigue. "A Dominant Mode Analysis of Microstrip (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.8 (Aug. 1972 [T-MTT]): 552-555.

A computer-aided numerical analysis of the dominant mode propagating in microstrip transmission line is reported, and the theoretical results are corroborated by experimental measurements. A region of almost complete circular polarization is found to exist at the surface of the dielectric, although most of the energy is concentrated directly beneath the strip conductor where the fields possess almost complete linear polarization.

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