

Abstracts

Microstrip Excitation of Magnetostatic Surface Waves: Theory and Experiment

A.K. Ganguly and D.C. Webb. "Microstrip Excitation of Magnetostatic Surface Waves: Theory and Experiment." 1975 *Transactions on Microwave Theory and Techniques* 23.12 (Dec. 1975 [T-MTT] (1975 Symposium Issue)): 998-1006.

A model is developed for excitation of magnetostatic surface waves (MSSW) with microstrip transmission lines. Energy carried away in MSSW propagating perpendicular to the microstrip is related to electromagnetic (EM) energy propagating along the microstrip line by an equivalent radiation resistance. Supporting experimental results are in excellent agreement with predictions derived from this model.

[Return to main document.](#)