

Abstracts

Surface Wave on a Ferrite Magnetized Perpendicular to the Interface (Short Papers)

D.F. Vaslow. "Surface Wave on a Ferrite Magnetized Perpendicular to the Interface (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.7 (Jul. 1974 [T-MTT]): 743-745.

A semi-infinite ferrite magnetized perpendicular to the interface is found to support a nonmagnetostatic surface wave. The wave exists within a finite wavelength band and a finite frequency band. Since the wavelength is typically of the order of 1 cm, large samples of polycrystalline ferrite material may be used for the experiments.

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