Abstracts

Microstrip Propagation on Magnetic Substrates--Part II: Experiment

D.J. Masse and R.A. Pucel. "Microstrip Propagation on Magnetic Substrates--Part II: Experiment." 1972 Transactions on Microwave Theory and Techniques 20.5 (May 1972 [T-MTT]): 309-313.

Experimental data taken on microstrip built on ferrite and garnet substrates are presented and compared with theoretical values calculated from formulas derived in a previous paper which were extended to gyromagnetic media. Good agreement has been obtained between experiment and theory. In particular the observed increase in wave attenuation at frequencies near omega/sub m/ is fully explained when the frequency dependence of the characteristic impedance is taken into account.

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