

Abstracts

Ferrite Line Width Measurements in a Cross-Guide Coupler

D.C. Stinson. "Ferrite Line Width Measurements in a Cross-Guide Coupler." 1958 Transactions on Microwave Theory and Techniques 6.4 (Oct. 1958 [T-MTT]): 446-450.

Theoretical and experimental results are presented to show that the line width and the g factor of a spherical ferrite sample can be measured in a cross-guide coupler. The method is much easier to instrument than the usual cavity method and the measurements are much easier to perform. Experimental verification with a cavity perturbation system indicates that the measured quantities are sufficiently accurate for most purposes.

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