

Abstracts

Recent Linewidth Measurements with a Cross-Guide Coupler (Correspondence)

D.C. Stinson. "Recent Linewidth Measurements with a Cross-Guide Coupler (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.6 (Nov. 1964 [T-MTT]): 621-622.

The continued interest in both narrow and broad linewidth ferromagnets for microwave applications motivates studies directed toward measuring their pertinent parameters. Two of the more important parameters are the linewidth and the effective g factor. These quantities are ordinarily measured in a resonant cavity where quite often it is necessary to use two different cavities for materials whose line widths differ by several orders of magnitude. Although the procedure for using this method is unnecessarily involved when one desires to measure only the linewidth and the g factor, the cavity technique is considered the standard.

 [Return to main document.](#)