

Abstracts

AM-AM and AM-PM Measurements Using the PM Null Technique (Short Papers)

J.F. Moss. "AM-AM and AM-PM Measurements Using the PM Null Technique (Short Papers)." 1987 Transactions on Microwave Theory and Techniques 35.8 (Aug. 1987 [T-MTT]): 780-782.

This paper describes a new method for measuring AM-AM and AM-PM nonlinearities in microwave radio components. This new method is called the PM null technique. This method is accurate and easy to implement. Both the carrier and modulation frequencies can be changed easily. Results of AM-AM and AM-PM measurements performed on a 8-GHz amplifier are given. This new method was compared with Moffatt's parabolic phase method and found to be in good agreement.

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