Abstracts

Computer-Aided Error Correction of Large-Signal Load-Pull Measurements

R.S. Tucker and P.D. Bradley. "Computer-Aided Error Correction of Large-Signal Load-Pull Measurements." 1984 Transactions on Microwave Theory and Techniques 32.3 (Mar. 1984 [T-MTT] (Special Issue on Power and Low-Noise GaAs FET Circuits and Applications)): 296-301.

A versatile system is described for the large-signal characterization of microwave power MESFET's. High accuracy is obtained through vector error-correction techniques. The system is calibrated using a procedure based on conventional automatic network analyzer calibration measurements and a series of simple insertion loss measurements. The measurement system provides accurate reflection coefficient and RF power data over a wide range of device loading conditions.

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