

Abstracts

Calibration Technique for Automated Network Analyzers with Application to Adapter Evaluation

G.F. Engen. "Calibration Technique for Automated Network Analyzers with Application to Adapter Evaluation." 1974 Transactions on Microwave Theory and Techniques 22.12 (Dec. 1974, Part II [T-MTT] (1974 Symposium Issue)): 1255-1259.

Although conceptually straightforward, the application of existing automated network analyzers to the problem of adapter evaluation is inhibited by the limited accuracy of the detection process, the requirement for several impedance standards at each frequency, and software problems. A hardware modification, which yields improved accuracy for adapter evaluation, is described. An alternative calibration procedure is outlined which exploits this improved accuracy potential, and which requires only one impedance standard.

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