Abstracts

Accuracy Factors in Microwave Noise Parameter Measurements

A. Davidson, B. Leake and E. Strid. "Accuracy Factors in Microwave Noise Parameter Measurements." 1989 MTT-S International Microwave Symposium Digest 89.2 (1989 Vol. II [MWSYM]): 827-830.

Factors contributing to microwave noise parameter measurement accuracy are examined theoretically and experimentally. It is shown that the test source impedances needn't be grouped around the impedance for minimum noise. Calibration and DUT S-parameter accuracy is shown to be important to the noise parameter accuracy. A new algorithm has been implemented which corrects for different noise source "on" and "off" impedances.

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