

Abstracts

A Procedure for Accurate Noise Measurements of One Port Devices with High Reflection Coefficients

J.M. Miranda, J.L. Sebastian, V. Krozer and A. Grub. "A Procedure for Accurate Noise Measurements of One Port Devices with High Reflection Coefficients." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1065-1067.

This work presents a procedure to reduce effectively the uncertainty of noise measurements of highly reflective one-port DUT's. This procedure consists of inserting an attenuator between the calibration reference plane and the DUT. The measurement RSS uncertainty has been calculated analytically and an excellent improvement of the accuracy and repeatability has been obtained when attenuations of moderate values were used.

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