

Abstracts

Accurate On-Wafer Power and Harmonic Measurements of MM-Wave Amplifiers and Devices

B. Hughes, A. Ferrero and A. Cognata. "Accurate On-Wafer Power and Harmonic Measurements of MM-Wave Amplifiers and Devices." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 1019-1022.

A novel integrated test system that accurately measures on-wafer S-parameters, power levels, load-pull contours and harmonics over 1 to 50 GHz is presented. The capabilities and accuracy are demonstrated by measuring the power at the fundamental frequency and four harmonic frequencies of a 50 GHz traveling wave amplifier and the load-pull contours of a MODFET at 30 GHz.

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