

Abstracts

An Automated Measurement Technique for Measuring Amplifier Load-Pull and Verifying Large-Signal Device Models

M. Pierpoint, R.D. Pollard and J.R. Richardson. "An Automated Measurement Technique for Measuring Amplifier Load-Pull and Verifying Large-Signal Device Models." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 625-628.

A physical model has been used to characterise the large-signal behaviour of a GaAs MESFET terminated with a wide range of load impedances and a new, automated, load-pull system developed to make measurements in order to verify the performance of the model. The heart of the measurement system is a motorised slide-screw tuner which operates over 2-18 GHz with reflection coefficients greater than 0.93 above 3 GHz.

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