Abstracts

A New Multi-Harmonic Load-Pull Method for Non Linear Device Characterization and Modeling

R. Larose, F.M. Ghannouchi and R.G. Bosisio. "A New Multi-Harmonic Load-Pull Method for Non Linear Device Characterization and Modeling." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 443-446.

A new multi-harmonic load-pull system based on an active load tuning configuration is presented. The system allows independent load-tuning of an excitation signal and its harmonics. Load-pull measurements on MESFET (NEC 71083) have been performed at the fundamental (f/sub o/), second (2f/sub o/), and third (3f/sub o/) harmonics. The results show the importance of such measurements in designing and modeling non linear devices and circuits.

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