



Load-Pull Techniques with Applications to Power Amplifier Design (Paperback)

By Fadhel M. Ghannouchi, Mohammad S. Hashmi

Springer, Netherlands, 2014. Paperback. Condition: New. 2013 ed.. Language: English . Brand New Book ***** Print on Demand *****.This first book on load-pull systems is intended for readers with a broad knowledge of high frequency transistor device characterization, nonlinear and linear microwave measurements, RF power amplifiers and transmitters. Load-Pull Techniques with Applications to Power Amplifier Design fulfills the demands of users, designers, and researchers both from industry and academia who have felt the need of a book on this topic. It presents a comprehensive reference spanning different load-pull measurement systems, waveform measurement and engineering systems, and associated calibration procedures for accurate large signal characterization. Besides, this book also provides in-depth practical considerations required in the realization and usage of load-pull and waveform engineering systems. In addition, it also provides procedure to design application specific load-pull setup and includes several case studies where the user can customize architecture of load-pull setups to meet any specific measurement requirements. Furthermore, the materials covered in this book can be part of a full semester graduate course on microwave device characterization and power amplifier design.



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