

Abstracts

A Quasi-Linear Approach to the Design of Microwave Transistor Power Amplifiers (Short Papers)

K.L. Kotzebue. "A Quasi-Linear Approach to the Design of Microwave Transistor Power Amplifiers (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.12 (Dec. 1976 [T-MTT] (1976 Symposium Issue)): 975-978.

A method of large-signal transistor characterization and power amplifier design is described which allows the designer to predict the load and source terminations required for optimum added-power circuit efficiency, and to see graphically how efficiency and power gain change as a function of the load termination. Experimental results obtained with a 1-W bipolar junction transistor (BJT) amplifier at 1.3 GHz are presented.

 [Return to main document.](#)