

# Abstracts

## Broad-Band Microwave Class-C Transistor Amplifiers

---

O. Pitzalis, Jr. and R.A. Gilson. "Broad-Band Microwave Class-C Transistor Amplifiers." 1973 *Transactions on Microwave Theory and Techniques* 21.11 (Nov. 1973 [T-MTT] (Special Issue on Solid-State Microwave Power Amplifiers)): 660-668.

Useful techniques for large-signal transistor characterization and the design of broad-band input- and output-matching structures are described. The techniques are particularly oriented to computer-aided design. Useful topologies for realizing broad-band matching networks are provided. Measured performance data for a 13-W, 1010- to 1460-MHz stage are included. An assessment of broad-band utilization of two circuits is graphically undertaken in conjunction with the Bode constant-resistance integral theorem.

[Return to main document.](#)