



# Advanced Techniques in RF Power Amplifier Design

*Steve C. Cripps, C. Cripps, Steve C. Cripps*

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**Advanced Techniques in RF Power Amplifier Design** Steve C. Cripps, C. Cripps, Steve C. Cripps

This much-anticipated volume builds on the author's popular work, *Rf Power Amplifiers for Wireless Communications* (Artech House, 1999), offering you a more in-depth understanding of the theory and design of Rf power amplifiers. An invaluable reference tool for Rf, digital and system level designers, the book enables you to efficiently design linear Rf power amplifiers, and includes detailed discussions on envelope power management schemes and linearization techniques. Written by a recognized authority on Pa design, this in-depth volume treats a range of power amplifier topics using readable symbolic analysis and idealized models, and follows up with Cad simulation using readily available commercial Cad tools. The work covers such vital topics as the use of bipolar devices in conventional high efficiency Pa design, the Doherty and Chireix Pas, envelope feedback, memory effects, predistortion, feedforward, and microwave Pa techniques.

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