

Abstracts

Design-Oriented Iterative Harmonic Analysis of Solid-State Power Amplifiers

F. Giannini, G. Leuzzi, E. Limiti and L. Scuccia. "Design-Oriented Iterative Harmonic Analysis of Solid-State Power Amplifiers." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 413-416.

An analysis method oriented to the design of microwave power amplifiers is presented. The method, based on a dedicated non-linear analysis algorithm, allows the evaluation of optimum harmonic loading of the power stage, taking advantage of proper matching conditions. The results compare well with more elaborate and lengthy CAD-simulated harmonic load-pull.

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