Abstracts

Optimum Design of Nonlinear FET Amplifiers

C. Guo, M. Camiade, D. Rousset, A. Cessey, J.J. Obregon and A. Bert. "Optimum Design of Nonlinear FET Amplifiers." 1987 Transactions on Microwave Theory and Techniques 35.12 (Dec. 1987 [T-MTT] (1987 Symposium Issue)): 1348-1354.

In this paper, an efficient approach to the optimum design of power amplifier stages is described. The impedances presented to the FET are optimized independently of the topology chosen for their realization. They are then synthesized by the usual methods of linear circuits. The proposed method has been applied to the design of broad-band power FET amplifiers. The realizations have given a good correlation between the theoretical and experimental results. Moreover, the method is being used in the optimum design of power FET multipliers.

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