Abstracts

Optimum Design of Non Linear Power FET Amplifiers

C. Guo, M. Camiade, D. Rousset, A. Cessey, J. Obregon and A. Bert. "Optimum Design of Non Linear Power FET Amplifiers." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 111-113.

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

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