

Abstracts

Optimization of feedforward amplifier power efficiency on the basis of input power statistics

C.L. Larose and F.M. Ghannouchi. "Optimization of feedforward amplifier power efficiency on the basis of input power statistics." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1491-1494.

Despite its advantages, the feedforward linearization technique significantly degrades the efficiency of a power amplifier. A method of designing feedforward amplifiers for optimal dc-RF conversion efficiency is described, which has the convenience of requiring knowledge of only the power statistics of the input signal.

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