

Abstracts

Simulation of multi-tone IMD distortion and spectral regrowth using spectral balance

N. Borges de Carvalho and J.C. Pedro. "Simulation of multi-tone IMD distortion and spectral regrowth using spectral balance." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 729-732.

Computer simulation of general microwave nonlinear circuits excited by a large number of input tones is addressed. The algorithm based on the spectral balance method, uses a new index vector technique which allowed the prediction of complex behavior such as spectral regrowth and noise power ratio performance of a class B power amplifier.

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