

## The Spectral Balance: A General Method for Analysis of Nonlinear Microwave Circuits Driven by Non-Harmonically Related Generators

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*M. Gayral, E. Ngoya, R. Quere, J. Rousset and J. Obregon. "The Spectral Balance: A General Method for Analysis of Nonlinear Microwave Circuits Driven by Non-Harmonically Related Generators." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 119-121.*

A very wide class of non-linear microwave circuits including mixers, oscillators (with their noise generators) and multitone amplifiers, are driven by non-harmonically related signals, and involve very far or closely-spaced frequency components. In this paper an efficient method is proposed to perform the balance of non-linear circuits driven by non-harmonically related input signals. It may be named: The spectral balance.

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