

# Abstracts

## A new behavioral model taking into account nonlinear memory effects and transient behaviors in wideband SSPAs

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*A. Soury, E. Ngoya and J.M. Nebus. "A new behavioral model taking into account nonlinear memory effects and transient behaviors in wideband SSPAs." 2002 MTT-S International Microwave Symposium Digest 02.2 (2002 Vol. II [MWSYM]): 853-856 vol.2.*

Accurate and non quasi-static behavioral models of SSPAs taking into account nonlinear memory effects become of prime importance for a breakthrough in system level analysis and design of wideband digital communication systems. This paper describes a new method to characterize and integrate memory effects in nonlinear behavioral models of SSPAs allowing to reproduce both transient and steady state behaviors.

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