

## LARGE SIGNAL ANALYSIS OF WIDEBAND NONLINEAR AMPLIFIERS WITH THIRD-ORDER INTERMODULATION AND SECOND-HARMONIC INJECTION

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### ABSTRACT

Large signal analysis of a wideband nonlinear amplifier excited by a multisinusoidal signal is pre-sented. The special case of two equal-amplitude sinusoids and their injected second-harmonic and third-order intermodulation component is considered in detail and the results are compared, whenever possible, with pre-viously published experimental results.