

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

Abuelma'atti, M.T. (2006), FREQUENZ, 60 . pp. 155-159.

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.