

# Abstracts

## Large signal IMD sweet spots in microwave power amplifiers

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*N.B. De Carvalho and J.C. Pedro. "Large signal IMD sweet spots in microwave power amplifiers." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 517-520 vol.2.*

In this paper, large signal IMD sweet spots in microwave power amplifiers are investigated and predicted using a new mathematical basis. This type of nonlinear model enabled the design of power amplifiers specially tailored to present a desired IMD versus drive level pattern. Finally, illustrative application examples are presented.

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