

Abstracts

Analysis and Design of Broadband, High Efficiency Feedforward Amplifiers

K. Konstantinou and D.K. Paul. "Analysis and Design of Broadband, High Efficiency Feedforward Amplifiers." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 867-870.

A novel analysis of feedforward linearizes providing design procedures for determining circuit parameters required for specified linearity and achieving high efficiency, is presented. Experimental results are reported for a C band feedforward linearized amplifier demonstrating a minimum of 20 dB intermodulation distortion suppression across the 5.9 - 6.4 GHz satellite band.

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