

Abstracts

A Wide-Band Push-Pull Amplifier Upgrades IP2

M.C. Tsai. "A Wide-Band Push-Pull Amplifier Upgrades IP2." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 511-514.

A novel design is described which utilizes Lange coupler baluns in a wideband push-pull amplifier to improve its second order harmonic intercept point (IP2). Better than 10 dB of IP2 improvement has been demonstrated on a breadboard unit. The approach has potential applications for wide-band high-efficiency power GaAs FET amplifiers.

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