

Abstracts

High Efficiency Harmonic Control Amplifier

B. Ingruber, W. Pritzl and G. Magerl. "High Efficiency Harmonic Control Amplifier." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 859-862.

A new high efficiency amplifier concept which ideally delivers 100 % drain efficiency and class A gain is described. The power amplifier realized with a commercially available GaAs FET has demonstrated 74 % power-added efficiency, 27.9 dBm output power, and 14.4 dB gain at 1.62 GHz.

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