

# Abstracts

## A single supply high performance PA MMIC for GSM handsets using quasi-enhancement mode PHEMT

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*W. Abey, T. Moriuchi, R. Hajii, T. Nakamura, Y. Nonaka, E. Mitani, W. Kennan and H. Dang. "A single supply high performance PA MMIC for GSM handsets using quasi-enhancement mode PHEMT." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 923-926 vol.2.*

A 3-stage GaAs FET power amplifier MMIC utilizing a quasi-enhancement mode PHEMT process has been developed for single supply GSM applications. The MMIC operates from a 3.2 V power supply and at 900 MHz, provides 35.5 dBm output power and 63.0% power added efficiency. Another 3 stage MMIC designed for DCS-1800, which at 1750 MHz provides 33.2 dBm output power with 61.1% PAE, is also presented.

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