

# Abstracts

## A 3.3V, 1.4W GaAs Power Amplifier for CDMA/AMPS Dual-Mode Cellular Phone

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S.-J. Maeng, C.-S. Lee, K.-J. Youn, J.-L. Lee and H.-M. Park. "A 3.3V, 1.4W GaAs Power Amplifier for CDMA/AMPS Dual-Mode Cellular Phone." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 571-574.

For CDMA/AMPS dual-mode cellular phones, a power amplifier operating at 3.3V has been developed for the first time. The amplifier shows an output power of 31.5 dBm and a power-added efficiency of 61% for AMPS mode. The third order intermodulation and the fifth order one are measured to be -32 dBc and -45 dBc at an output power of 26 dBm for CDMA mode. These are good enough for dual-mode requirements.

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