

# Abstracts

## High-Efficiency AlGaAs/GaAs HBT Power Amplifier MMIC for 1.9GHz Japanese Digital Cordless Phone

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An AlGaAs/GaAs HBT power amplifier MMIC for 1.9 GHz Japanese digital cordless phone applications is demonstrated. A P<sub>sub 1dB</sub> of 24 dBm and a P<sub>sub 1dB</sub> power added efficiency as high as 40 % are achieved at voltage of only 3 V. This is the highest power added efficiency ever reported for such an amplifier operating at any voltage.

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