

# Abstracts

## An HBT MMIC Linear Power Amplifier for 1.9 GHz Personal Communications

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*T. Yoshimasu, N. Tanba and S. Hara. "An HBT MMIC Linear Power Amplifier for 1.9 GHz Personal Communications." 1994 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 94.1 (1994 [MCS]): 59-62.*

This paper describes a special circuit design concept for high efficiency linear amplification of pi/4 DQPSK modulation signals. A fabricated HBT MMIC linear power amplifier exhibited an output power of 21.2 dBm and a power added efficiency of 36% along with an adjacent channel interference of -55 dBc in +/- 600 kHz offset frequency bands.

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