

Abstracts

An HBT MMIC Linear Power Amplifier for 1.9 GHz Personal Communications

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.

 [Return to main document.](#)