

Abstracts

0.2 cc HBT power amplifier module with 40% power-added efficiency for 1.95 GHz wide-band CDMA cellular phones

N. Miyazawa, H. Itoh, Y. Nakasha, T. Iwai, T. Miyashita, S. Ohara and K. Joshin. "0.2 cc HBT power amplifier module with 40% power-added efficiency for 1.95 GHz wide-band CDMA cellular phones." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1099-1102 vol.3.

This paper is the first to report a high efficiency 0.2 cc power amplifier module for Wide-band CDMA (W-CDMA) cellular phones. The module achieves power-added efficiency (PAE) of 40% and adjacent channel leakage power (ACP) of -40.8 dBc at an output power level of 28 dBm with 4.096 MHz QPSK modulation.

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