

# Abstracts

## A 900 MHz ISM band transceiver RFIC chip set and RF module

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*Chien-Kuang Lee, Chung-Chiang Ku, Keng-Li Su, Chao-Hui Lin and Kuang-Chung Tao. "A 900 MHz ISM band transceiver RFIC chip set and RF module." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. 1 [MWSYM]): 77-80.*

This paper demonstrates a packaged RF front-end IC chip set (transmitter and receiver) and a highly integrated transceiver RF module used in the 902/spl sim/928 MHz ISM band. By using the RF IC chip set with other application circuits, this module can provide the sensitivity of -93 dBm at 1.152 Mb/s data rate. The transmit power of the module can be varied continuously from -10dBm to +20 dBm simply by a 0/spl sim/3V DC control voltage. The average current consumption of the module under TDD operation is 150 mA for +20 dBm output power, and 60 mA for -10 dBm output power.

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