

Abstracts

A Single-Chip MMIC Transceiver for 2.4GHz Spread Spectrum Communication

M.S. Wang, M. Carriere, P. O'Sullivan and B. Maoz. "A Single-Chip MMIC Transceiver for 2.4GHz Spread Spectrum Communication." 1994 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 94.1 (1994 [MCS]): 19-22.

This paper describes a highly integrated MMIC transceiver (1 .57mm x 3.4mm) for 2.4GHz ISM band direct sequence spread spectrum (DSS S) applications. The transceiver consists of a low noise receiver chain, a linear transmitter chain, and an LO amplifier switched between T/R modes. The small die size, generic architecture, low current consumption, and positive control logic make this transceiver suitable for emerging wireless communication markets,

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