

Abstracts

A low power 900 MHz transmitter IC with audio baseband for ISM applications using 0.25 μm BiCMOS

K. Huehne, S. Bader, D. Coffing, J. Durec, R. Hester, D. Lovelace, E. Main, P. Ovalle, Ruxi Tang, D. Welty, R. Williams and K. Wortel. "A low power 900 MHz transmitter IC with audio baseband for ISM applications using 0.25 μm BiCMOS." 2000 Radio Frequency Integrated Circuits (RFIC) Symposium 00. (2000 [RFIC]): 125-128.

The audio processing function is combined with a 0 dBm transmitter using 0.25 μm BiCMOS technology for portable wireless applications. Reference suppression is better than 60 dB. It operates over 1.8 to 2.8 V and consumes 26 mA. As part of a highly integrated two-chip transceiver system, it enables a low cost solution for analog cordless telephones.

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