

ABSTRACT

This paper describes the radio transceiver for Bluetooth application operating at 2.4GHz ISM band. The transceiver uses low cost CMOS technology and integrates all components including PLL. Only RF matching elements and bypassing capacitors for power supply stability are required for complete transceiver. The proposed transceiver is implemented with 0.25um CMOS process and draws 60mA from 2.7V supply in receiver active mode.