

Abstracts

GaAs RFICs for CDMA/AMPS dual-band wireless transmitters (1998 [RFIC])

V. Aparin, K. Gard, G. Klemens and C. Persico. "GaAs RFICs for CDMA/AMPS dual-band wireless transmitters (1998 [RFIC])." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 249-252.

An upconverter and two driver amplifiers for CDMA/AMPS cellular/PCS wireless transmitters are presented. The upconverter has two selectable RF outputs operating over 800 to 1900 MHz frequency range. They can be assigned to different frequency bands providing a dual-band operation. The driver amplifiers offer two gain modes selected with a control voltage. The cellular driver amplifier provides DC power savings in the low gain mode. The chip set was fabricated using a GaAs 0.6 μm E/D MESFET process.

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