

Abstracts

RF local oscillator path for GSM direct conversion transceiver with true 50% duty cycle divide by three and active third harmonic cancellation

R. Magoon and A. Molnar. "RF local oscillator path for GSM direct conversion transceiver with true 50% duty cycle divide by three and active third harmonic cancellation." 2002 Radio Frequency Integrated Circuits (RFIC) Symposium 02. (2002 [RFIC]): 23-26.

An RF local oscillator frequency path for a multi-band GSM direct conversion transceiver is described that makes use of a novel true 50% output duty cycle divide by 3 circuit and provides active third harmonic cancellation through means of phase recombination of the divider's outputs.

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