

# Abstracts

## A 0.18 $\mu\text{m}$ CMOS 2.45 GHz, low-power quadrature VCO with 15% tuning range

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*D. Leenaerts, C. Dijkmans and M. Thompson. "A 0.18  $\mu\text{m}$  CMOS 2.45 GHz, low-power quadrature VCO with 15% tuning range." 2002 Radio Frequency Integrated Circuits (RFIC) Symposium 02. (2002 [RFIC]): 67-70.*

This work demonstrates the feasibility of a fully integrated LC-resonator based quadrature VCO for low power operation at 2.45 GHz, having a 15% tuning range due to a combination of analog and digital tuning techniques. The VCO dissipates 7.2 mW and fulfills the Bluetooth requirements. The design has been realized in a 0.18  $\mu\text{m}$  CMOS technology.

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