

# Abstracts

## A 2.4 GHz CMOS LC VCO using micromachined variable capacitors for frequency tuning

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A. Dec and K. Suyama. "A 2.4 GHz CMOS LC VCO using micromachined variable capacitors for frequency tuning." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. I [MWSYM]): 79-82 vol.1.

This paper demonstrates a CMOS voltage controlled oscillator operating at 2.4 GHz, which utilizes bonding wire inductors and micromachined electro-mechanically tunable capacitors for frequency tuning. The prototype device achieves a phase noise of -122 dBc/Hz at 1 MHz offset from the carrier and has a tuning range of 3.4 percent.

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