

# Abstracts

## VCO linearisation by frequency feedback

---

*J. Gustau, F. Fiechtner and M. Hoffmann. "VCO linearisation by frequency feedback." 1998 Radio Frequency Integrated Circuits (RFIC) Symposium 98. (1998 [RFIC]): 135-138.*

We demonstrate, how a voltage controlled oscillator is linearised by frequency feedback independently of the VCO-characteristic. The VCO is replaced by a controlled frequency locked loop. Hereby, the VCO characteristic is substituted by the inverse function of the frequency detector characteristic, which, in our case, is linear to a great extent. A 70 MHz oscillator was built to verify the principle.

[Return to main document.](#)