

Abstracts

Temperature analysis and on-chip compensation for an UHF VCO

Y. Sun, H.G. van Veenendaal and J.L. Tauritz. "Temperature analysis and on-chip compensation for an UHF VCO." 1997 Radio Frequency Integrated Circuits (RFIC) Symposium 97. (1997 [RFIC]): 229-232.

This paper treats the study of on-chip temperature compensation of a broad-band UHF VCO. Analysis, design and evaluation of IC oscillators are described. Excellent agreement between simulation and measurement is demonstrated. The frequency deviation drift specification over a 25/spl deg/C temperature range has been reduced to <0.5 MHz within the frequency range of 470/spl sim/930 MHz.

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