

Abstracts

Low phase noise, low power IC VCOs for 5-8 GHz wireless applications

H. Jacobsson, S. Gevorgian, M. Mokhtari, B. Hansson, C. Hedenas, T. Lewin, W. Rabe and A. Schuppen. "Low phase noise, low power IC VCOs for 5-8 GHz wireless applications." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 723-726.

A set of fully integrated VCOs in the 5-8 GHz frequency range has been designed and manufactured in Si/SiGe-HBT technology. A minimum phase noise of -100 dBc/Hz at 100 kHz off-carrier was measured for 2 V supply voltage and 6 mW power consumption.

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