

Abstracts

A 5.7 GHz interpolative VCO using InGaP/GaAs HBT technology

Shih-An Yu, Chin-Chun Meng and Shey-Shi Lu. "A 5.7 GHz interpolative VCO using InGaP/GaAs HBT technology." *2002 Microwave and Wireless Components Letters* 12.2 (Feb. 2002 [MWCL]): 37-38.

A 5.7 GHz monolithic interpolative voltage-controlled oscillator using InGaP/GaAs HBT technology is demonstrated for the first time. Frequency tuning is achieved by changing the open loop gain instead of the tank capacitor. The experimental result showed that a 500 MHz tuning range at 5.7 GHz was realized, which can meet the requirement of 5.7 GHz ISM band.

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