عنوان مقاله:

Design of a C-class voltage controlled LC oscillator for IEEE 802.11 a/b/g/n standards

محل انتشار:

دومین همایش بین المللی افق های نوین در علوم پایه و فنی و مهندسی (سال: 1398)

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خلاصه مقاله:

This paper proposes a new fully integrated frequency oscillator which is designed to cover IEEE 802.11 a/b/g/n standards. The goal is to use the C-class oscillator to examine its different structures. In order to validate the proposed circuit, the oscillator is implemented in 180-nm CMOS technology. Operation frequency range in term of GHz and its gain in term of MHz/Volt have been determined, in addition to the phase noise of the oscillator is investigated at a frequency with desire off-set in term of GHz and dBc/Hz, respectively.

کلمات کلیدی:

Internet of Things, Frequency Oscillator, C-CLASS, Voltage Controlled, Phase Noise and LC oscillator.