

عنوان مقاله:

Source Degeneration Low-Noise Amplifier with the Current-reuse technique in ISM band

محل انتشار:

کنفرانس بین المللی مهندسی برق (سال: 1395)

تعداد صفحات اصل مقاله: 6

نویسندگان:

mohamad ali bandari - Assistant Professor, Islamic Azad University, Mahshahr

behrouz heidari - Assistant Professor, Islamic Azad University, Arak

خلاصه مقاله:

A Low-Noise Amplifier with TSMC 0.18 μm CMOS will be studied in this essay. In this study, Source degeneration circuit is used for adjusting the input and circuit linearity. This amplifier uses the current-reuse technique to reduce the power consumption. The proposed LNA achieves a 3-dB bandwidth from 1 to 6 GHz, a maximum power gain of 15.5 dB, a minimum NF of 2.4 dB while consuming 6 mw from a 1.8 V supply

کلمات کلیدی:

Low-Noise Amplifier, Source degeneration Circuit, Current-reuse technique

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<https://civilica.com/doc/504334>

