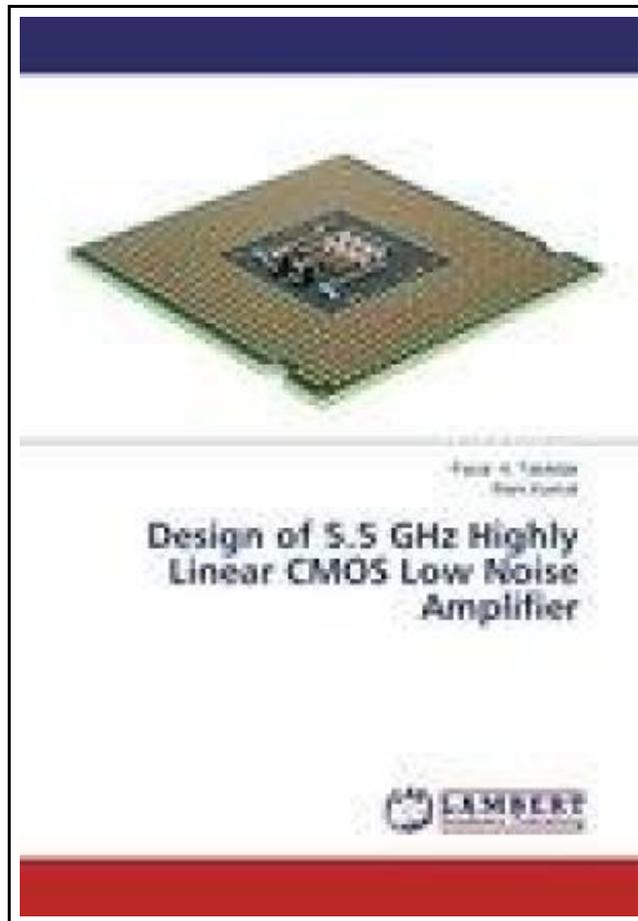


Design of 5.5 GHz Highly Linear CMOS Low Noise Amplifier



Filesize: 4 MB

Reviews

This type of publication is every thing and helped me seeking ahead and much more. It usually fails to charge too much. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Juliet Mertz)

DESIGN OF 5.5 GHZ HIGHLY LINEAR CMOS LOW NOISE AMPLIFIER



LAP Lambert Academic Publishing Dez 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - Recently, telecommunication system requires high performance, low noise, low power and high linear RF circuits. Since the digital modulation design requires highly linear front end circuits, the linearity requirement of the LNA becomes more rigorous. Due to possible large interference signal tones at the receiver end along with the carrier, LNA is expected to provide high linearity, thus preventing the intermodulation tones created by the interference signal from corrupting the carrier signal. The research focuses on designing a LNA which achieves high linearity without sacrificing any of its specifications of gain and Noise Figure (NF). The project focused on designing a 5.5 GHz linear LNA using a standard UMC.18um technology. The LNA employed inductive source degeneration topology with on chip passive spiral inductor. Employing the body biasing technique with post distortion scheme not only achieve high linearity, but also minimizes the degradation of gain, noise figure and power consumption. The simulation results show that CMOS tech has the capability to achieve a 5.5 GHz LNA. The LNA draws a 10.8mw power on 1.8V power supply while achieve gain of 11.4dB IIP3 of 9.20dBm 76 pp. Englisch.



[Read Design of 5.5 GHz Highly Linear CMOS Low Noise Amplifier Online](#)



[Download PDF Design of 5.5 GHz Highly Linear CMOS Low Noise Amplifier](#)

Relevant Books



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Save Document »](#)



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Save Document »](#)



The new era Chihpen woman required reading books: Chihpen woman Liu Jieli financial surgery(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-05-01 Pages: 247 Publisher: Jilin Publishing Group title: new era Chihpen...

[Save Document »](#)



Sport is Fun (Red B) NF

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Sport is Fun (Red B) NF, Dianne Irving, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and...

[Save Document »](#)



Have You Locked the Castle Gate?

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal...

[Save Document »](#)