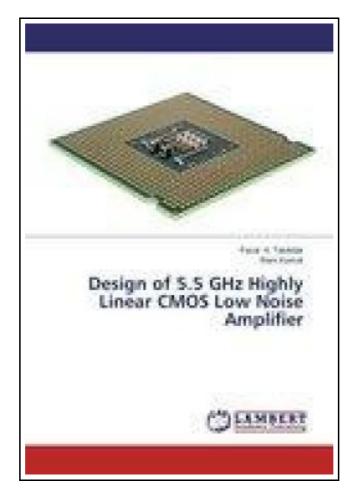
# Design of 5.5 GHz Highly Linear CMOS Low Noise Amplifier



Filesize: 5.91 MB

## Reviews

This ebook is worth acquiring. Better then never, though i am quite late in start reading this one. You will not truly feel monotony at at any time of your own time (that's what catalogues are for about if you ask me).

(Lorenz Vandervort)

### 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

## You May Also Like



## RCadvisor's Modifly: Design and Build From Scratch Your Own Modern Flying Model Airplane In One Day for Just

Rcadvisor.com, United States, 2009. Paperback. Book Condition: New. 238 x 166 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Experience firsthand the joys of building and flying your very own model airplane...

Read eBook »



# TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2) (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 :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Read eBook »



# TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(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 :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Read eBook »



#### The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds

Anness Publishing. Paperback. Book Condition: new. BRAND NEW, The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds, Nicola Baxter, Geoff Ball, This is a super-size first reading book for 3-5 year...

Read eBook »



### Harts Desire Book 2.5 La Fleur de Love

Cajunflair Publishing. Paperback. Book Condition: New. Paperback. 112 pages. Dimensions: 8.0in. x 5.0in. x 0.3in.lts late 1974, and high school student, Melinda Dawson is in serious trouble. Within two hours of revealing her suspected pregnancy...

Read eBook »