VLSI Design

ECE 361

Spring 2011

Room No. A5-317

General System



RF Section

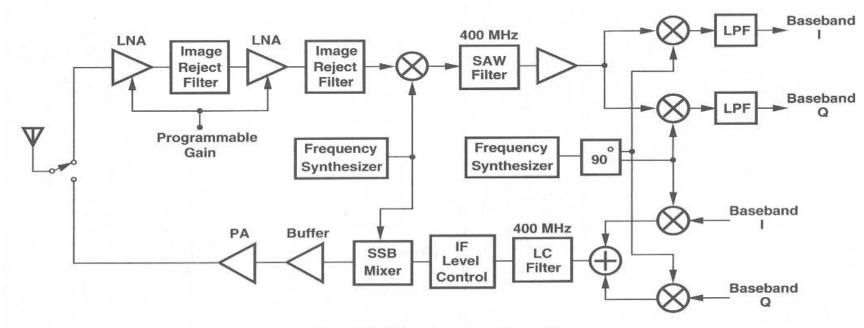
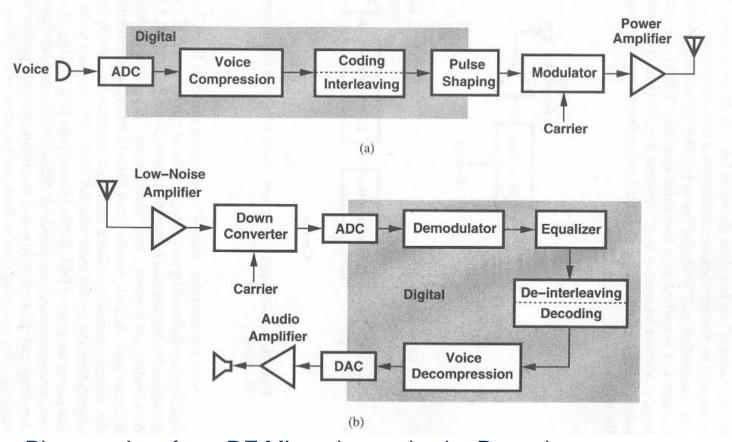


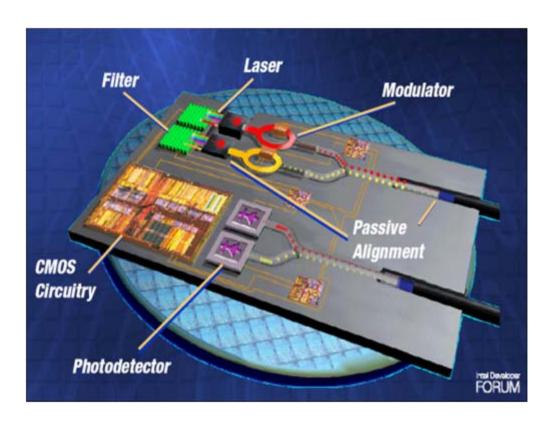
Figure 1.2 RF section of a cellphone [1]

Picture taken from RF Microelectronics by Razavi Syed - IIITH

Digital Tx and Rx



Typical design

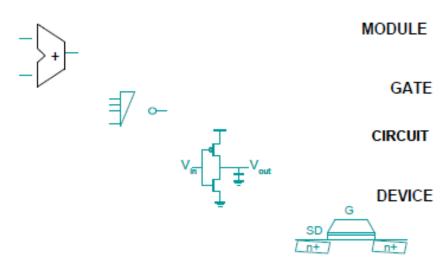


Picture taken from College of Optics & Photonics, SUGF IIITH

Hierarchy

Design Abstraction Levels

SYSTEM



Syed - IIITH

Where is VLSI

- Exponential growth in complexity
- Digital, Analog, RF, Optical, MEMS
- Computers everywhere
- Wireless, portable, low power
- Moore's Law