HomeRF WG (Working Group)
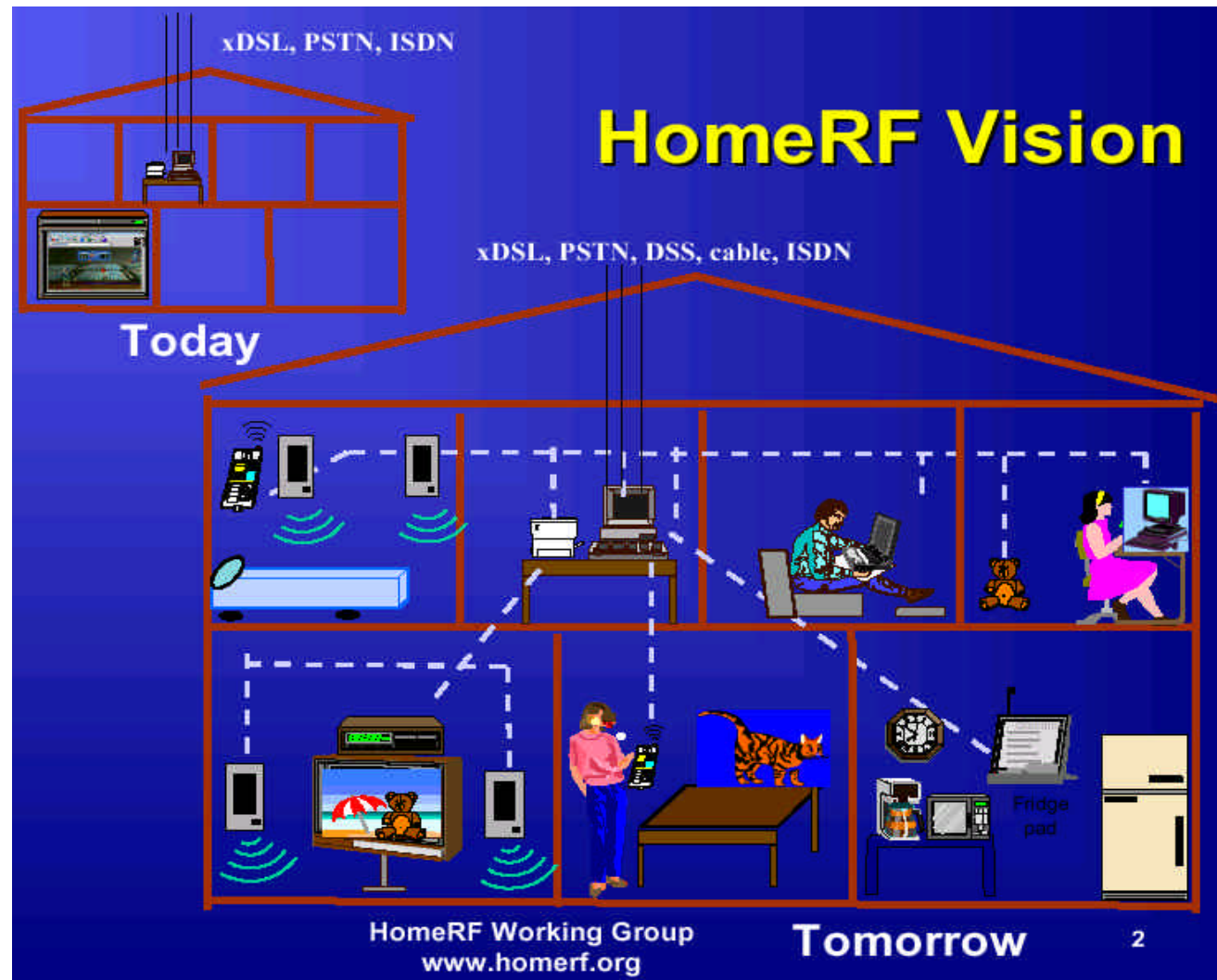
- ◆ Mission Statement
  - — Enable existence of a broad range of interoperable consumer devices bringing information services to each part of the home
  - — Establish an open industry specification for unlicensed RF digital communications for PCs and consumer devices anywhere in and around the house

- ◆ 85+ Members - Xilinx is an active member
  - — Initiating members: Compaq, Ericsson, HP, IBM, Intel, Microsoft, Motorola, Philips, Proxim, Symbionics
  - — Broad, cross industry support
    - – Communications, Consumer Electronics, Home Control/Home Automation, Networking, Peripherals, PC, Semiconductors /Components, Software

HomeRF Vision

Home Environment for RF

- The home environment is harsh for RF and multiple factors effect RF performance in the home
    - Path Loss due to diverse home floor plans, different building materials and no control over antenna placements
    - In-band interferers such as microwaves, cordless phones
    - Multi-path
        - Traffic patterns
        - Ceiling fans
    - Co-location of Subnets
        - Multiple dwelling units
        - Higher density single family homes