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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

December 14, 2000

ORIGINAL

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445-12th Street S.W.
Washington, D.C. 20554

Re: Adaptive Broadband Corporation
Ex Parte Presentation in ET Docket No. 96-102

Dear Ms. Salas:

On December 13, 2000, representatives of Adaptive Broadband Corporation ("Adaptive") met with Julius Knapp to discuss issues raised in the Commission's rulemaking proceeding concerning service rules for the UNII bands. Todd Carothers, Vice President of Marketing, and Jack Schanker, Director of Agency Compliance, attended the meeting on behalf of Adaptive. The undersigned counsel attended the meeting as well. At the meeting, Mr. Carothers gave the attached presentation.

Two copies of this filing are enclosed as required by Section 1.1206 of the Commission's Rules. Please contact the undersigned if you have any questions regarding this filing.

Sincerely,

Joan M. Griffin

cc: Julius Knapp

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ADAPTIVE BROADBAND™

Market Overview and U-NII Status

Todd D. Carothers
VP of Marketing

December 13, 2000

broadband access: **unplugged**

Adaptive Broadband: The Company

Who we are. What we do.

Adaptive Broadband Corporation

- Headquarters in Sunnyvale, CA
- Founded in 1968
  - Originally California Microwave
  - Name change in April 1999
- Strategic Decision in January 2000 to Divest All Legacy Business Outside Broadband Wireless
  - Satellite, video broadcast, data radio
- Focus on development, design and deployment of wireless networks for ISP and LEC and IXC customers
  - Point-to-multipoint architectures
  - Frequency independent access platform
  - 2nd generation networking technologies including Time Division Duplexing and packet-on-demand traffic delivery

The Broadband Wireless Access Market

Driven By The Internet

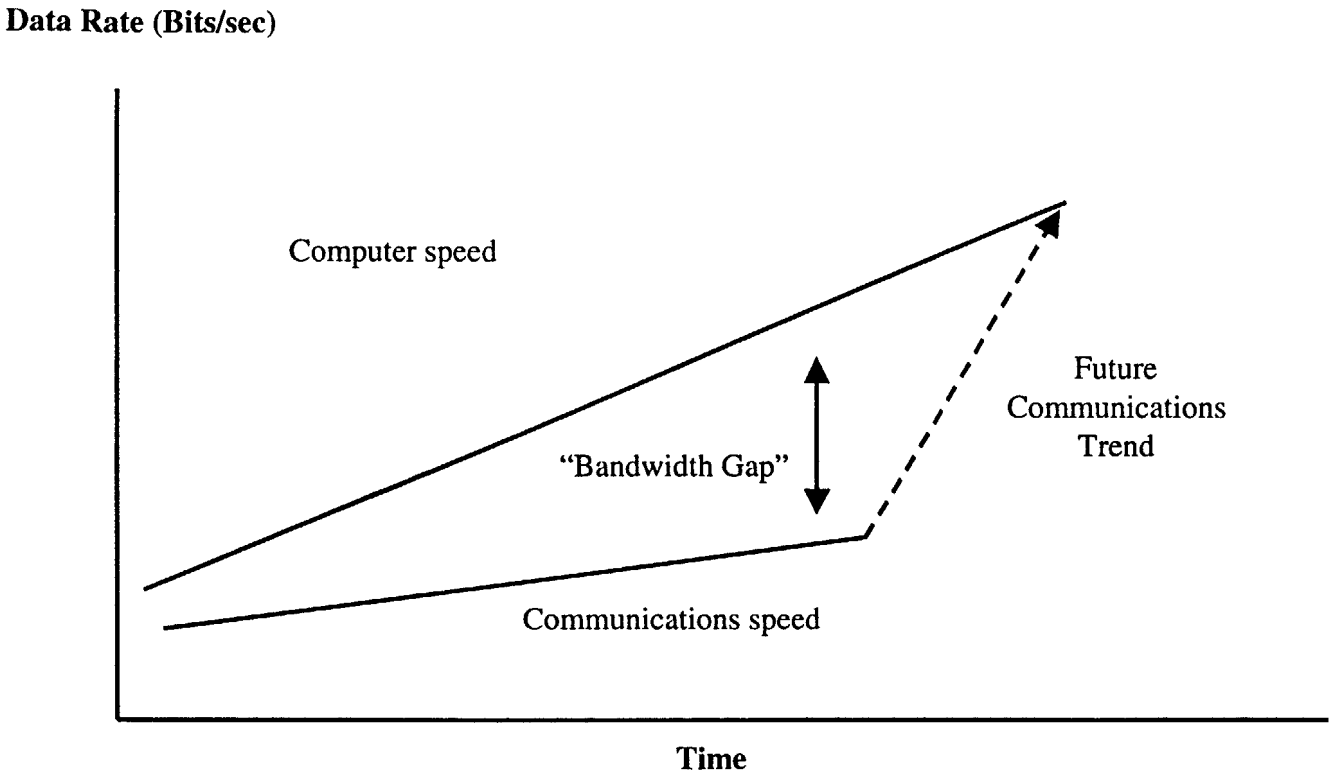
Brand New Stat: Look at This!

US Business Broadband Users, 1999–2003 (Millions)					
	1999	2000	2001	2002	2003
Fiber	1.71	2.36	3.15	4.07	5.07
DSL	0.15	0.42	0.73	0.93	1.10
Cable	NM	NM	NM	NM	NM
Satellite	NM	NM	0.02	0.04	0.25
Wireless	0.04	0.15	0.57	1.59	3.09
Copper T-1	1.60	1.90	2.00	1.98	1.80
Total	**3.49**	**4.83**	**6.47**	**8.53**	**11.30**

Source: eMarketer, 2000 eMARKETER CHART

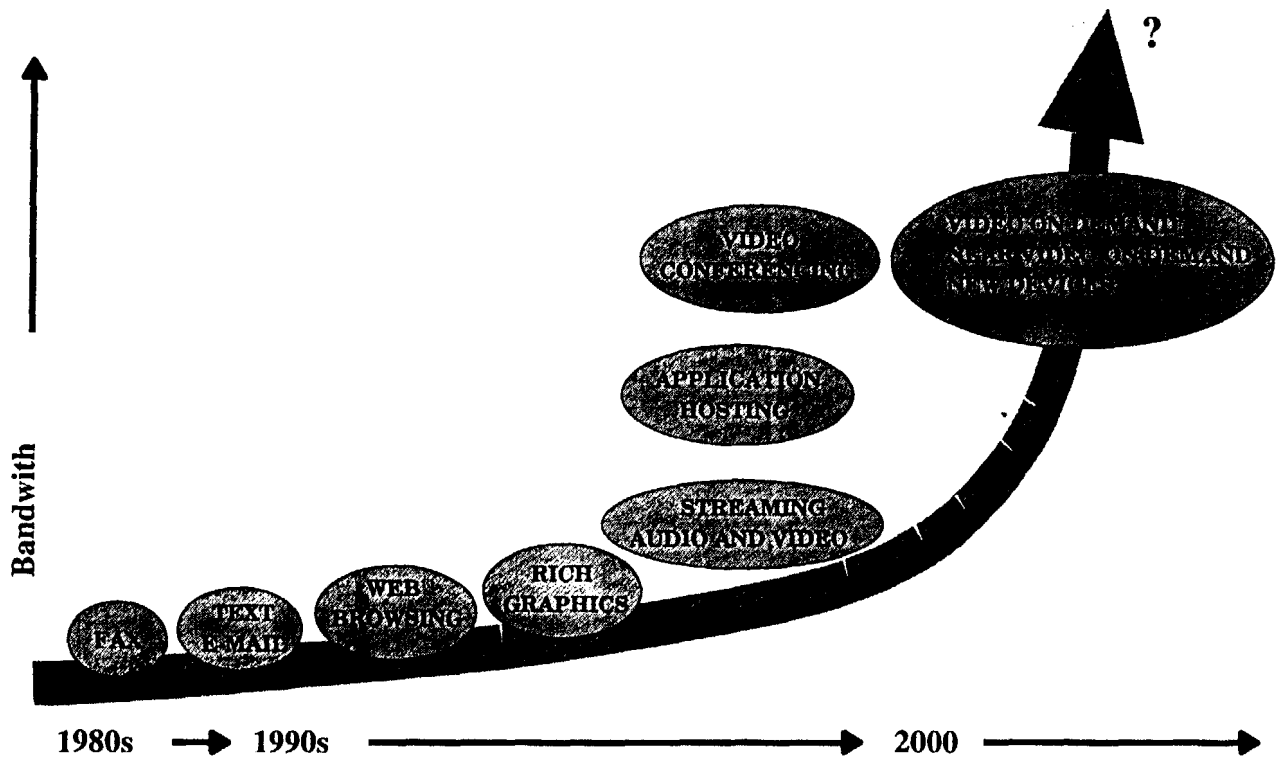
900% Growth!!!!

Communications Speed Has not Kept Pace with Computer Performance



Source: PVTG

New Applications are Driving Bandwidth Demand

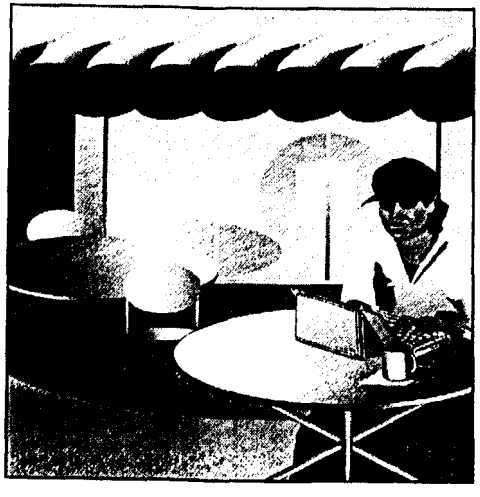


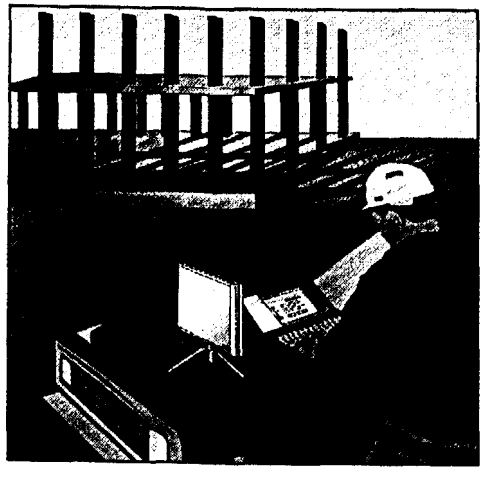
Source: PVTG

Shortcomings of Wired High-Speed

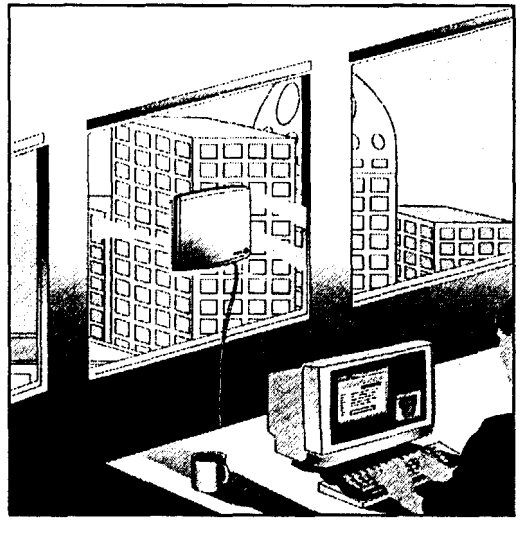
- Analog Dial-up
  - 56 Kbps too slow for many Internet applications.
  - Inability to use phone while on-line.
  - Work-use has made high-speed access the standard for most.
- DSL
  - Distance-limited bandwidth.
  - Dependence on aging telephone infrastructure. Lines often need reconditioning.
  - Bridge taps, loading coils, poor gauge wire, digital loop carriers
- T1 / T3
  - Too expensive for SOHO or residential users.
  - Difficult (and even costlier) to provision in rural areas.
- Cable Modems
  - Infrastructure upgrades required for two-way services.
  - Shared bandwidth.
  - Cable telephony (IP) not yet perfected.

AB-Access™ can be Portable





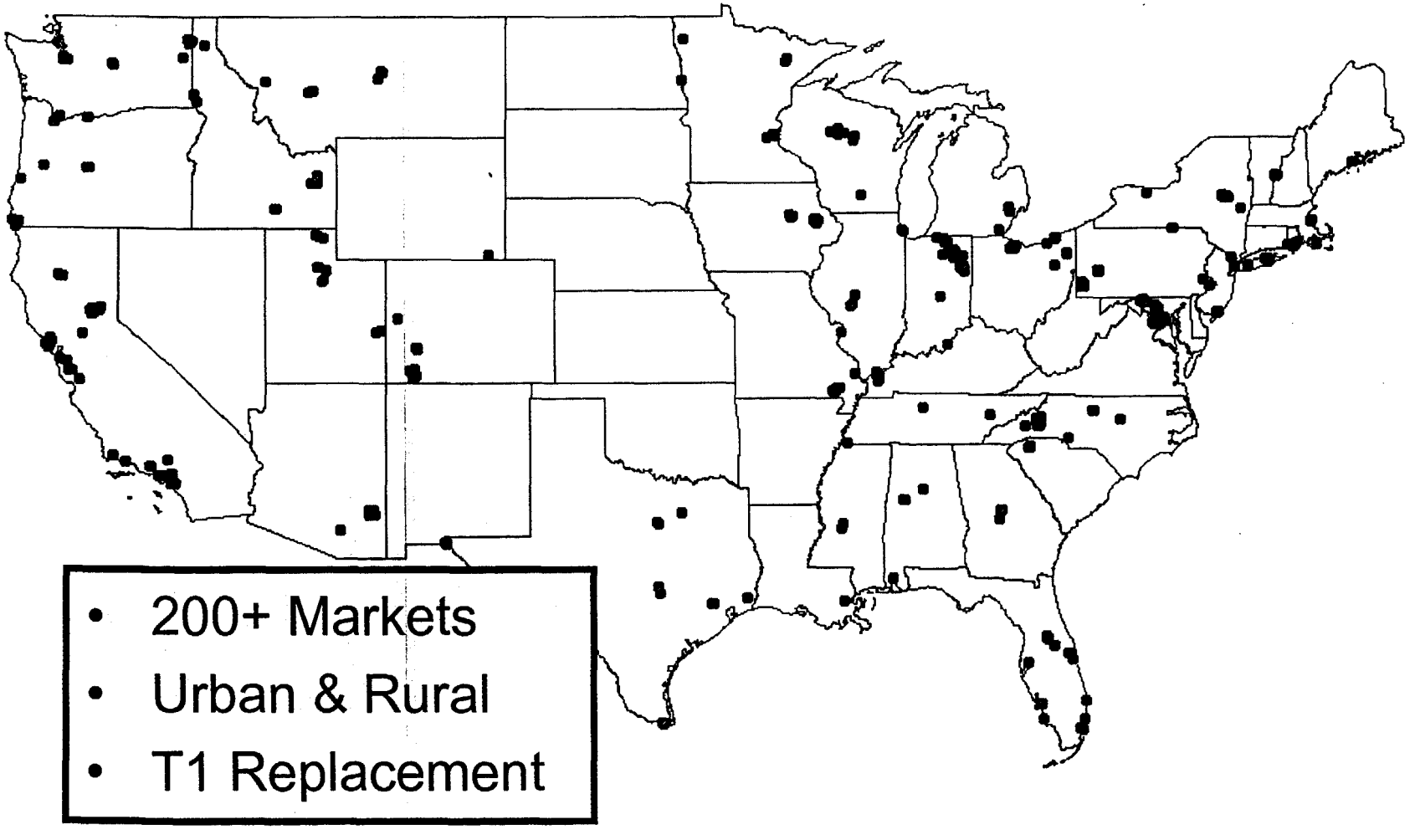
- ***Self provisioning***
- ***Walk-about portability***
- ***Fully integrated***
- ***Ubiquitous access***
- ***Upstream / Downstream Rate Flexibility***



AB-Access Attractive to Service Providers

- Addresses service providers' issues -- high speed, variable rates, tiered bundled service offering, fast capital recovery, compact equipment size in all outdoor packaging with symmetrical data flow
  - Integrated service offerings; Service providers can bill according to bandwidth usage or time of use to maximize revenue
  - Advanced networking architecture highly scalable; can generate revenue while network grows
  - Requires few network peripherals; less real estate needed
  - Rapid implementation; cost effective deployment; user installable

License-Free Deployments:
The Early Winner



Source: The Strategis Group

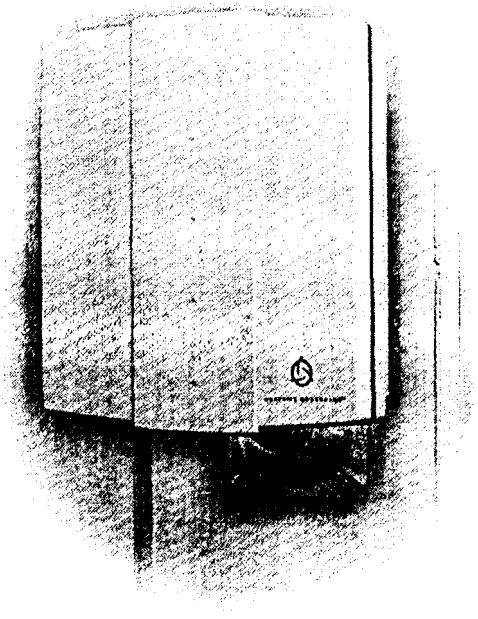
Milestones For 5GHz BWA Technologies

- **Early 1990** - 5GHz BWA technology was co-developed by Oracle & Olivetti Research Laboratory-Cambridge, UK. Early development was focused on mobile wireless ATM system.
- **January 1997** - 300MHz of 5GHz was made available by US FCC as Unlicensed National Information Infrastructure spectrum.
- **March 1998** - For the first time, 5GHz technology development was spanned to out-door application. California Microwave immediately acquired the technology start-up and changed its name to Adaptive Broadband.
- **1999** - Major commercial 5GHz BWA systems were deployed in U.S by Adaptive Broadband.
- **2000** - 5GHz BWA technologies are accepted by major markets around the world.

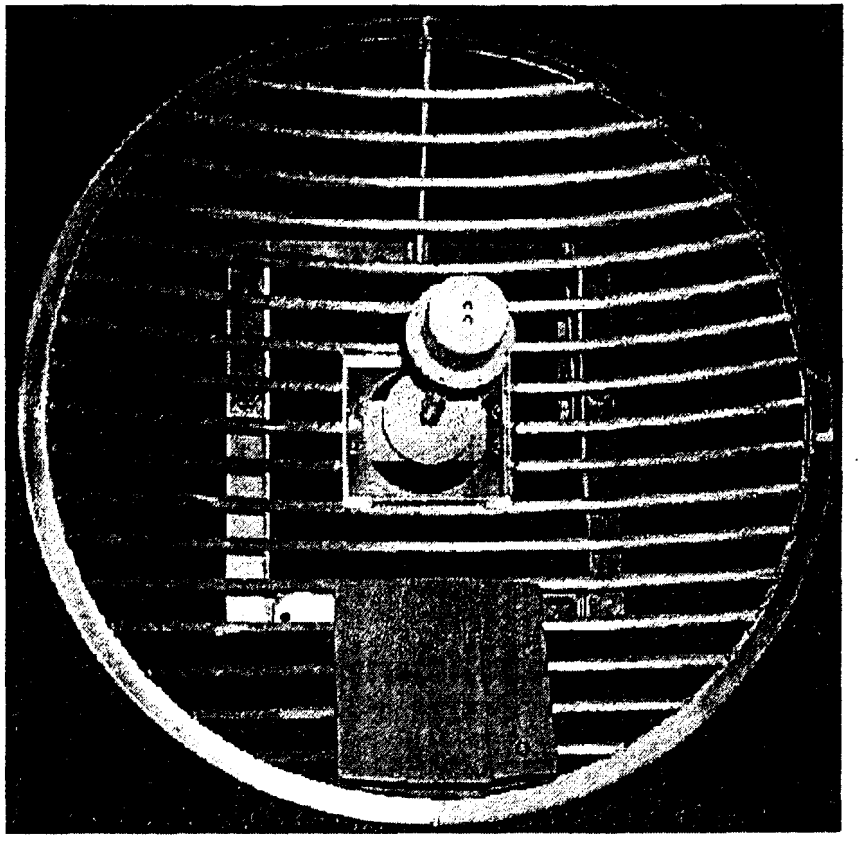
Adaptive Broadband and AB-Access™

Point-to-Multipoint Broadband Wireless Access

Subscriber Unit- Integrated Packaging

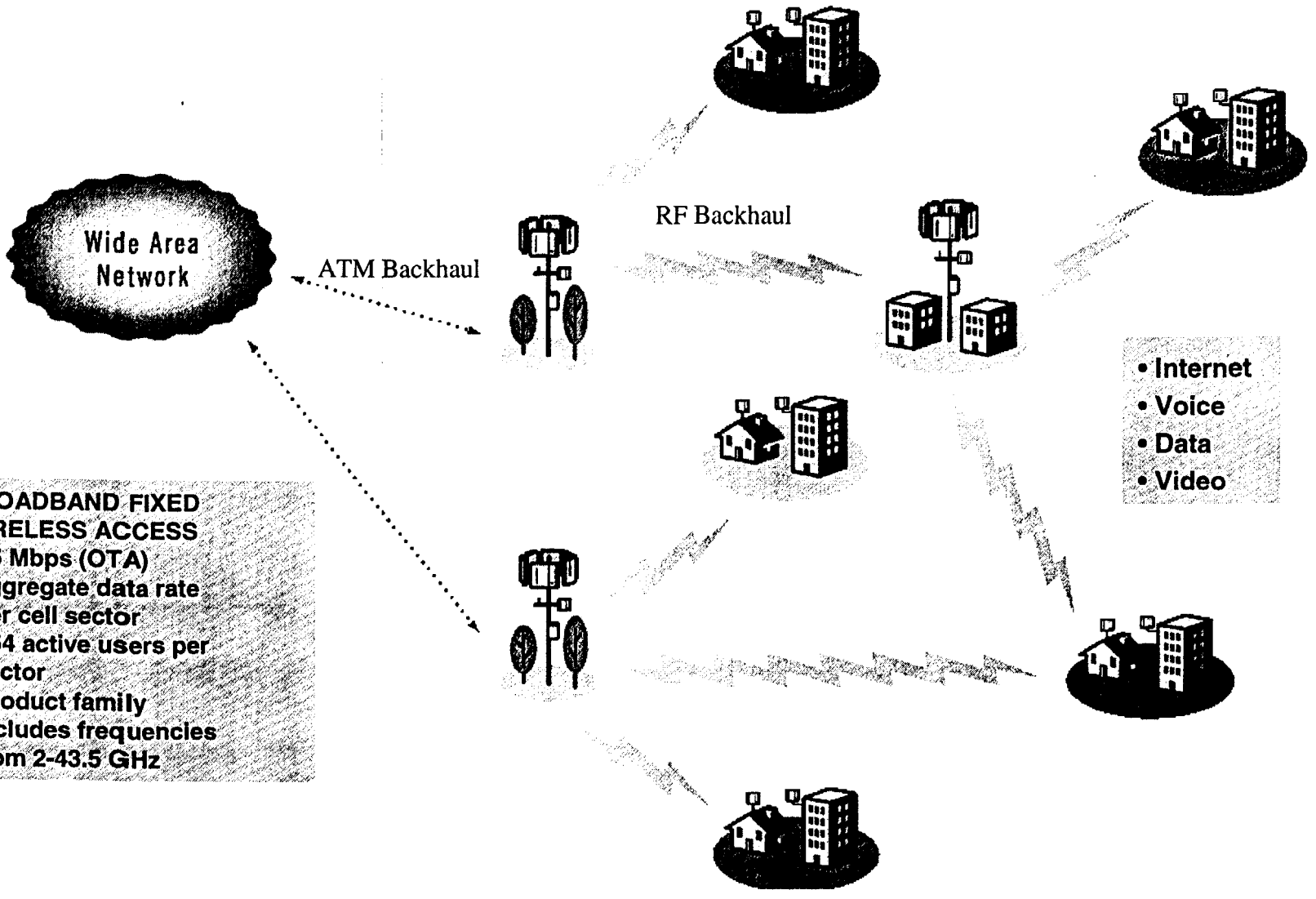


Dimensions: 10" 10" x 3"

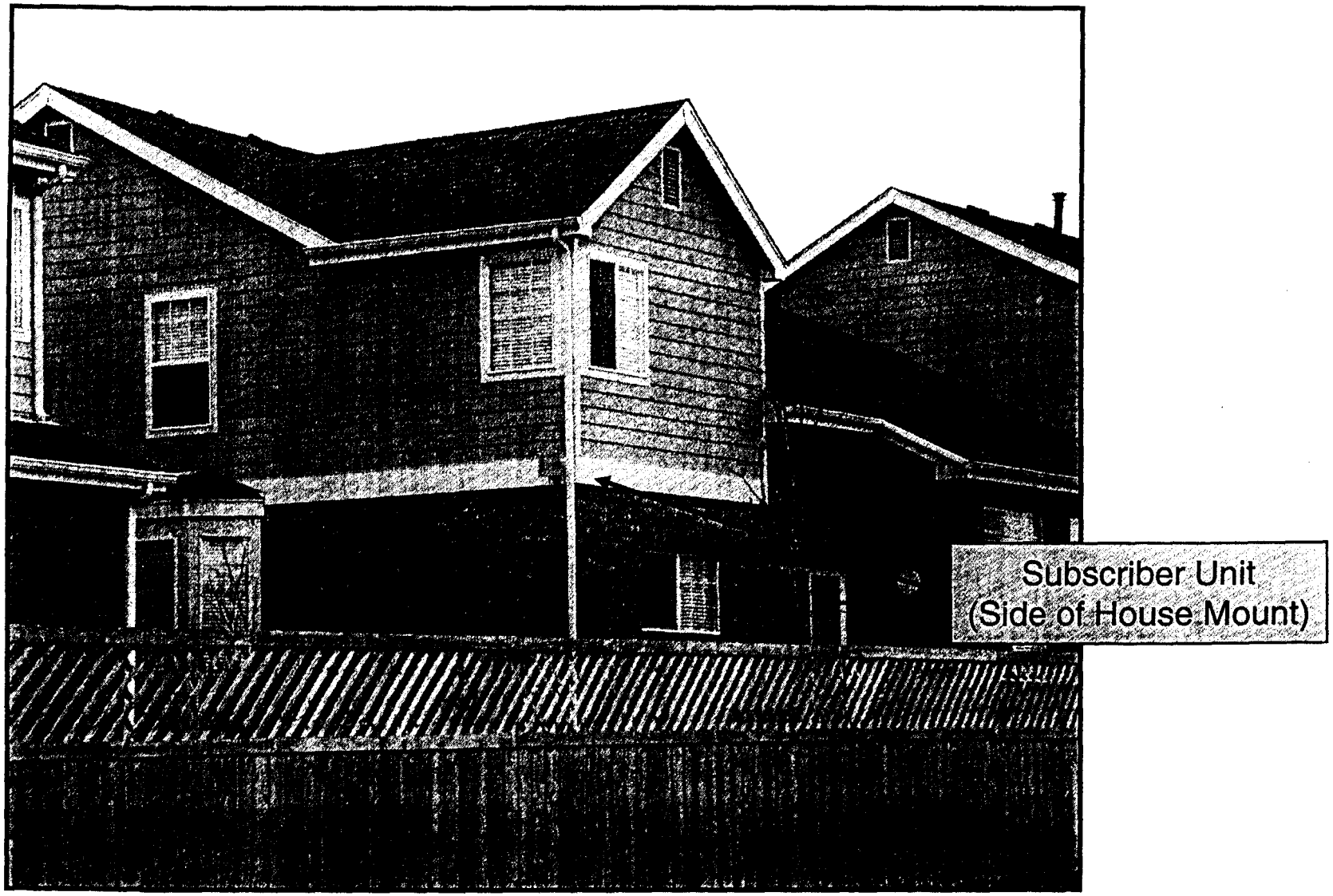


Competitor Backhaul – Antenna ONLY

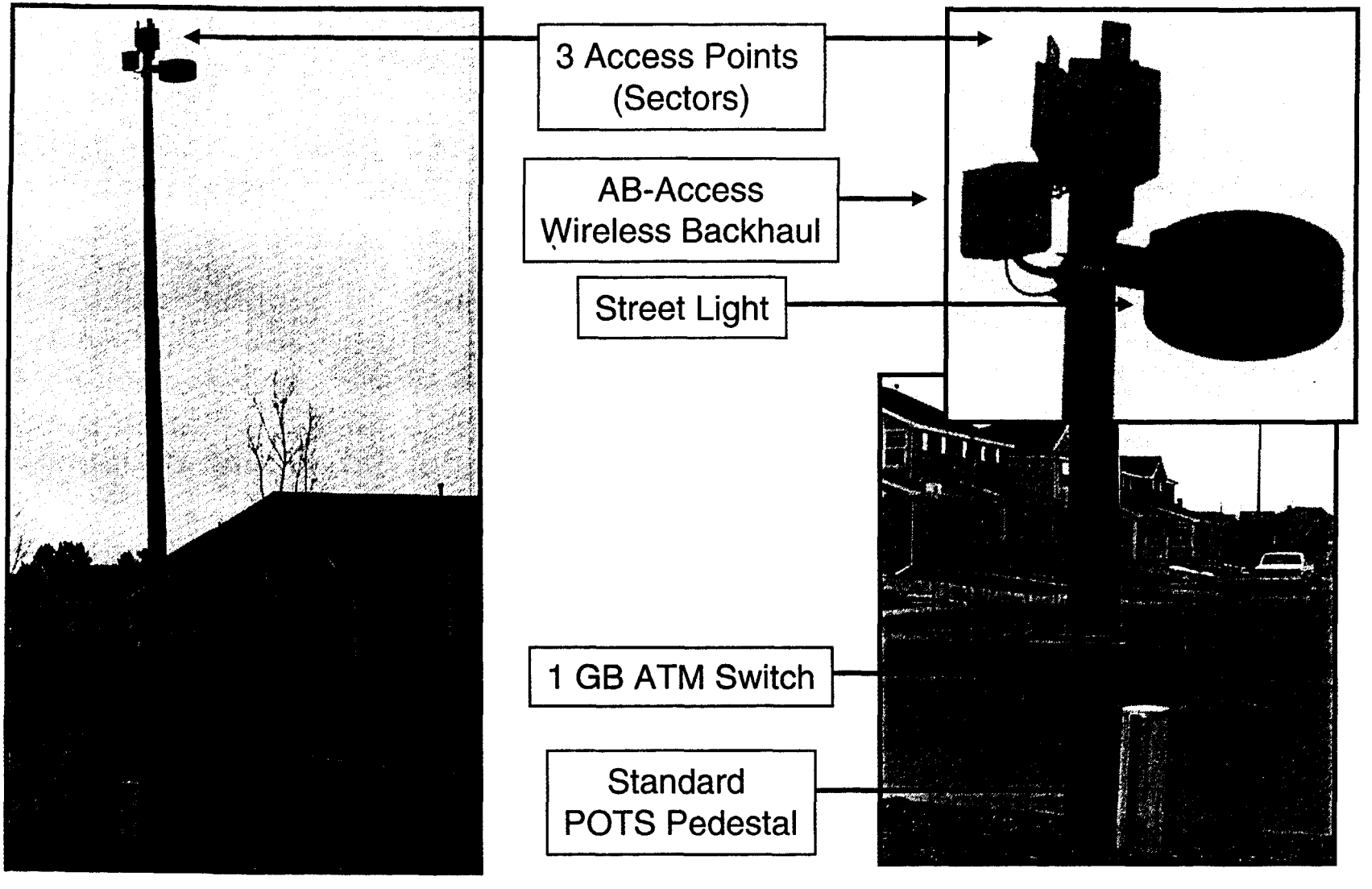
AB-Access Fixed Wireless Access Solution



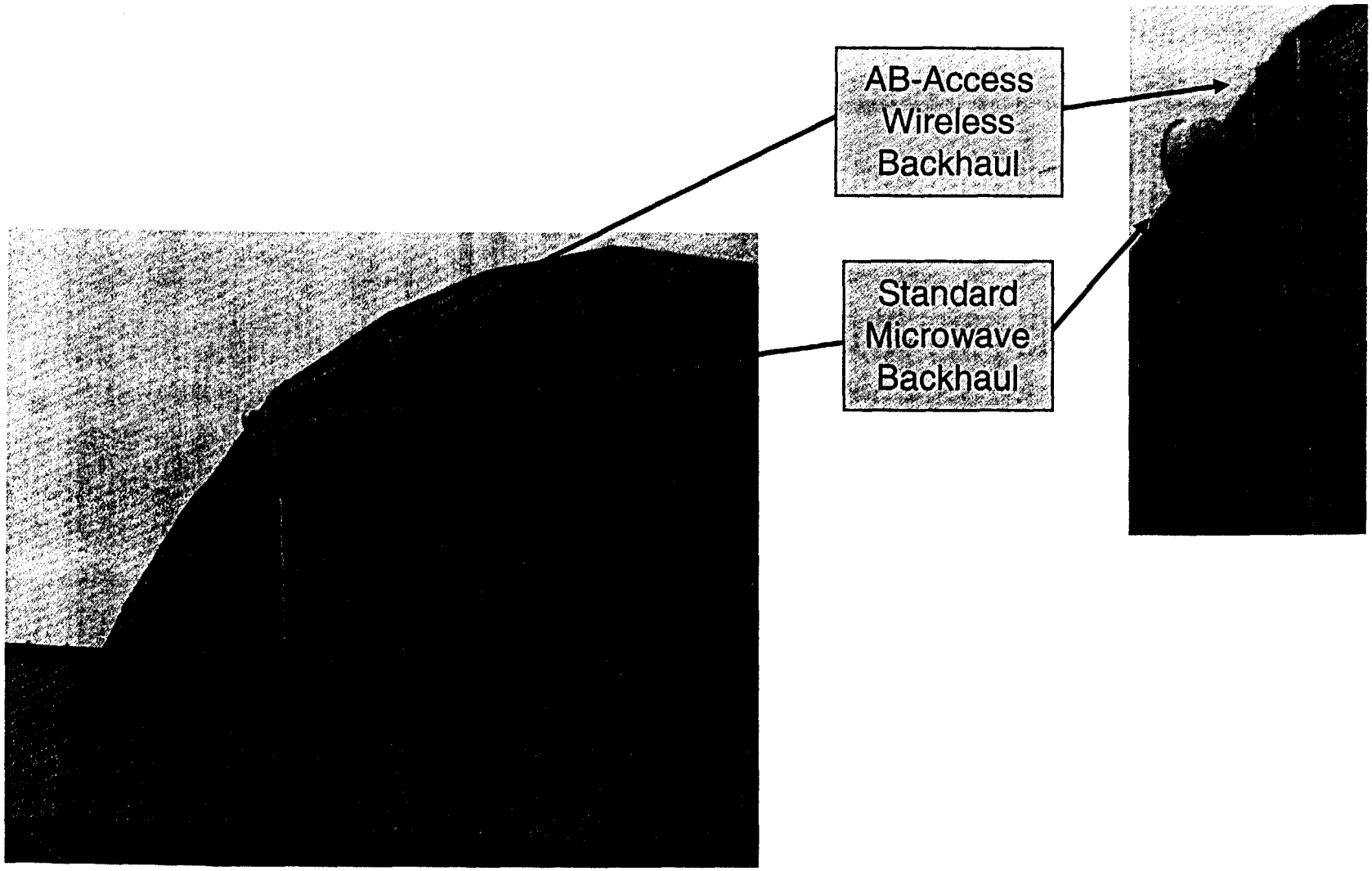
Small, Low-profile Subscriber Unit



Compact Cell Site / Base Station



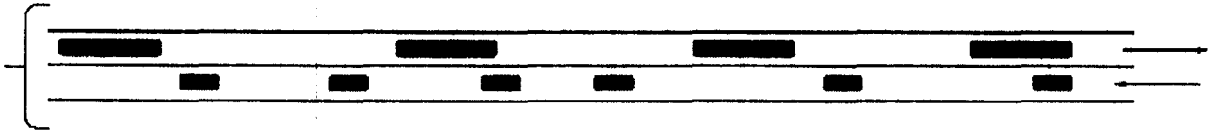
Centralized POP & Wireless Backhaul



TDD Dynamically Optimizes Bandwidth

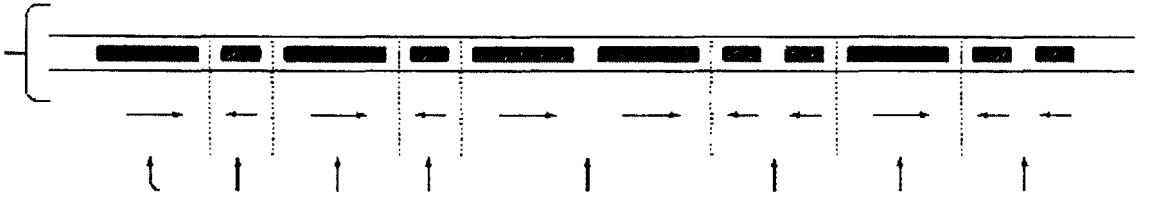
- Eliminates need for "guard band".
- Dynamically allocates upstream vs. downstream traffic.
- Scarce RF spectrum is fully leveraged.

CONVENTIONAL APPROACH:
Fixed partition of spectrum into forward and return channels



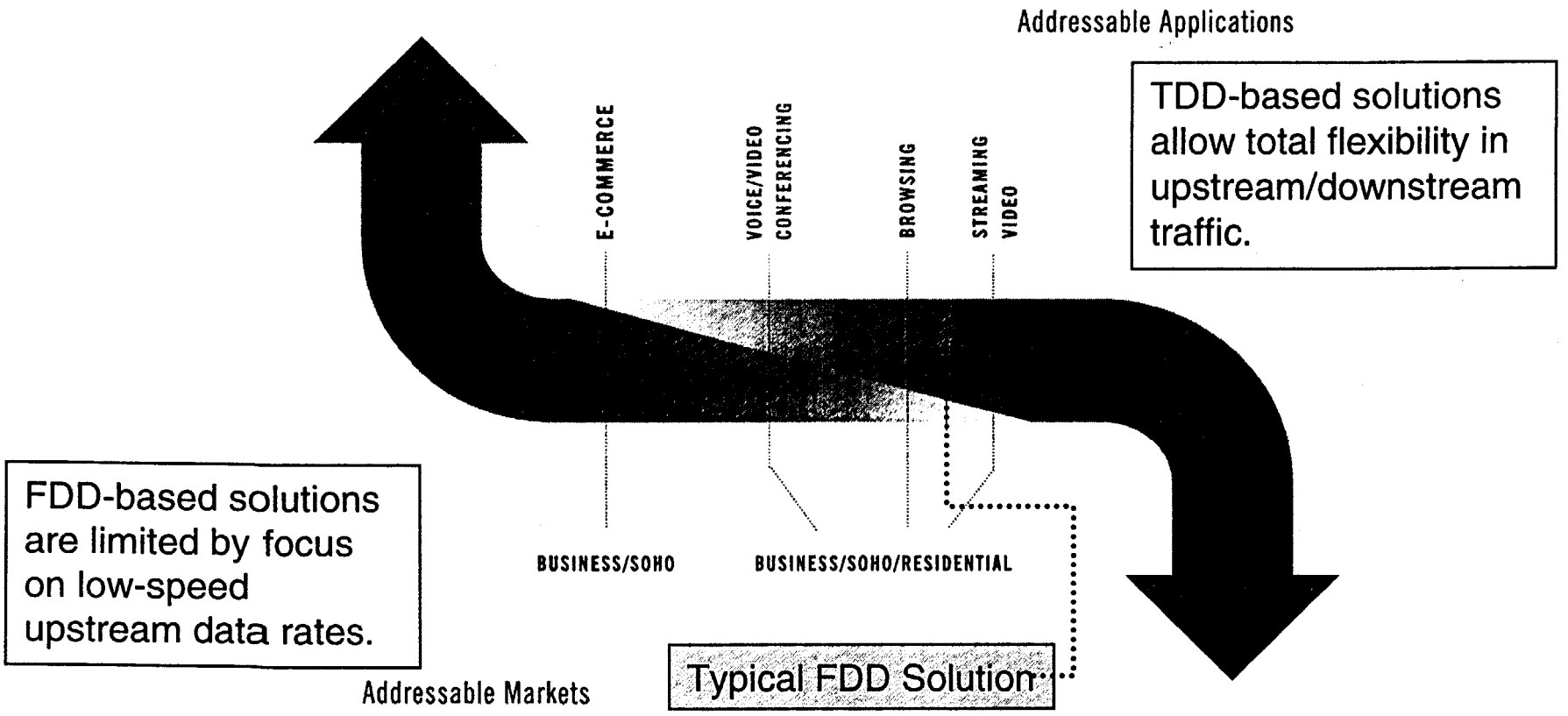
Frequency Division Duplex

AB ACCESS APPROACH:
Dynamic use of spectrum reflecting demand and priorities

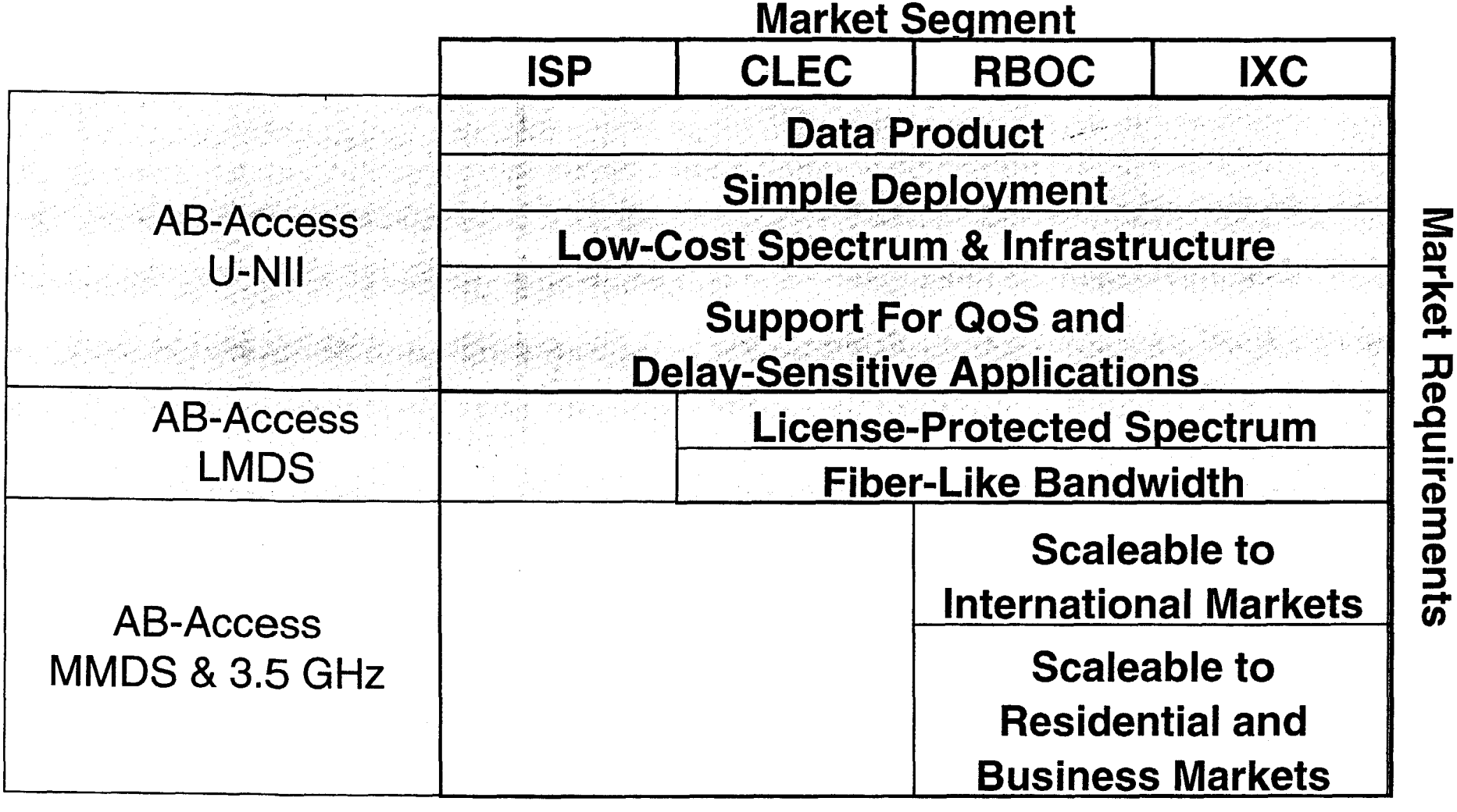


Adaptive Time Division Duplex Radio turns around in 2 microseconds

Addressable Applications Require Flexibility



AB-Access: Meeting All Market Needs



Why Adaptive Broadband?

- AB-Access enables applications, which in the future will generate revenue streams from content, such as video conferencing, video streaming
- DSL/Cable cannot handle applications required by businesses, and in the future, consumers
- Service providers can offer services incrementally, as market demands, with AB-Access
- AB-Access is a next-generation solution

Issues Facing Service Providers

- More U-NII spectrum needed
  - Possible Solution: Open the lower U-NII band to outdoor use
- Increased range across all bands and/or match to upper band.
  - Possible Solution: Match power of upper U-NII band
  - Possible Solution: Allow PMP devices to transmit at slightly higher power levels
- Concern of interfering spectrum users
  - Possible Solution: Possible grandfathering or squatter's rights granted to existing operators. Although an unlicensed band, many businesses and residences rely on the connection.
  - ADAP Solution: Industry consortium group