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July 6, 2001

VIA MESSENGER

RECEIVED

JUL - 6 2001

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Re: *DA No. 01-1172, WT Docket No. 01-14; EX PARTE*

Dear Ms. Salas:

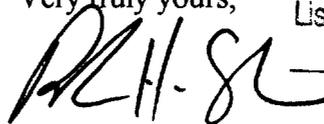
This is to advise you that on Thursday, June 28, 2001, representatives of Leap Wireless International, Inc. ("Leap") and its counsel met with members of the Commission's Wireless Telecommunications Bureau. The subject matter of the meeting included Leap's Request for Waiver and Extension of the Broadband PCS Construction Requirements (the "Extension Request").

At the meeting, Leap and its counsel discussed the merits of the Extension Request and described the 1xEV high-speed wireless data technology that Leap intends to deploy in certain markets as set forth in its filings. In this regard, Leap provided the members of the Bureau with a printed summary description of 1xEV technology, a copy of which is enclosed. Leap also informed the Wireless Telecommunications Bureau that, due to Leap's buildout efforts and certain technological developments, Leap now requires shorter extensions than originally requested.

Please contact the undersigned with any questions.

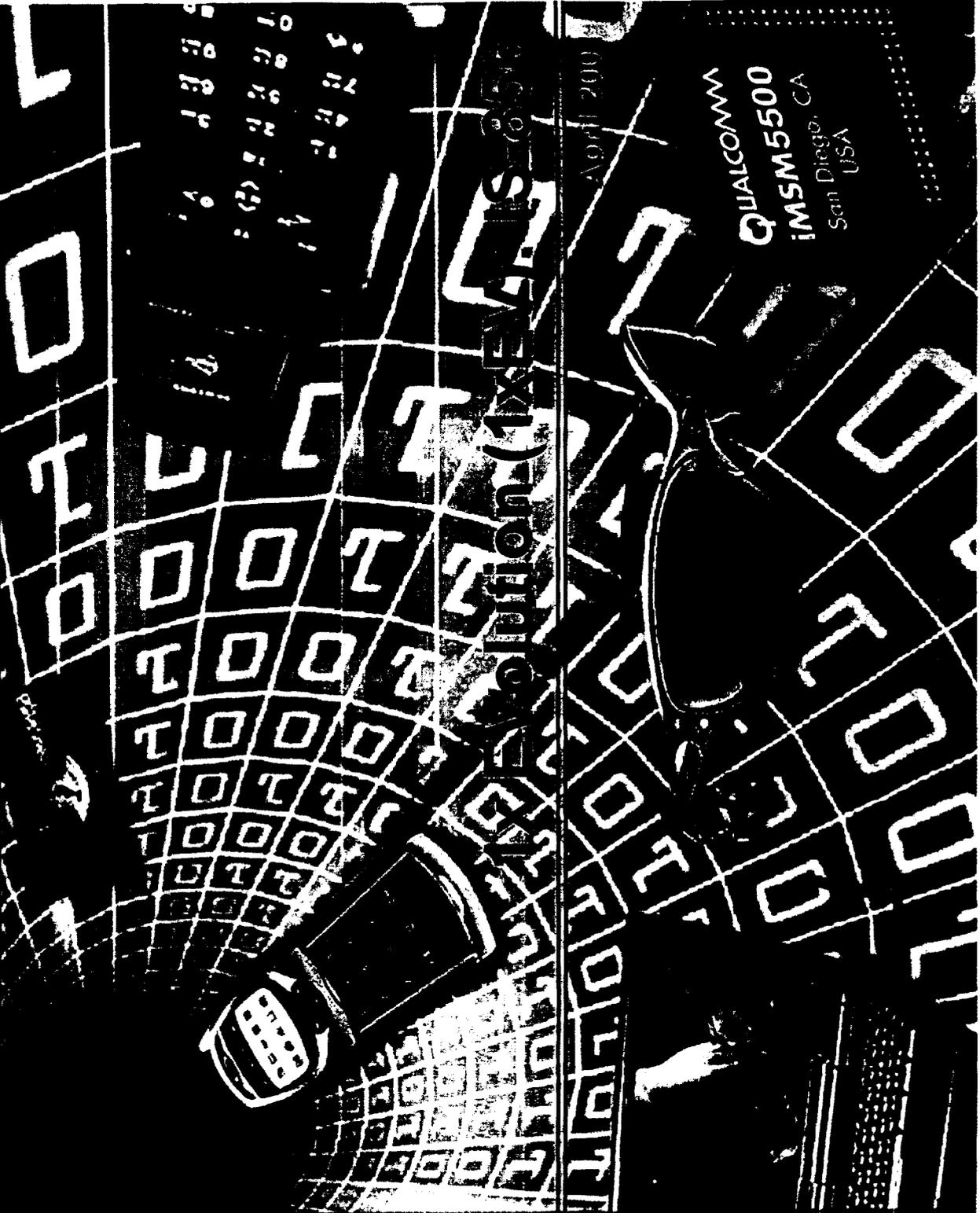
Very truly yours,

No. of Copies rec'd 042
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Patrick H. Shannon
of LATHAM & WATKINS

Enclosure



**1xEV
Overview**

**Standards and
Technology
Development**

Devices

**System
Architecture**

**Technology
Benefits**

**Airlink Design
Fwd
Rev**

Summary

Backup

QUALCOMM
iMSM5500
San Diego, CA
USA

April 2001

1xEV Overview

1xEV is a high performance and cost-effective Internet solution for consumers and business professionals:

- High-speed/high capacity wireless Internet service
- Ideal for portable, mobile and fixed applications
- Built on mainstream IP backbones
- Compatible with existing and upcoming wireless networks and devices
- Significant time to market advantage
- Delivering 3G functionality years earlier

Fixed



Mobile



Portable



Specialized Markets



1xEV Proven Track Record

Well proven technology based on over 4 years of dedicated development:

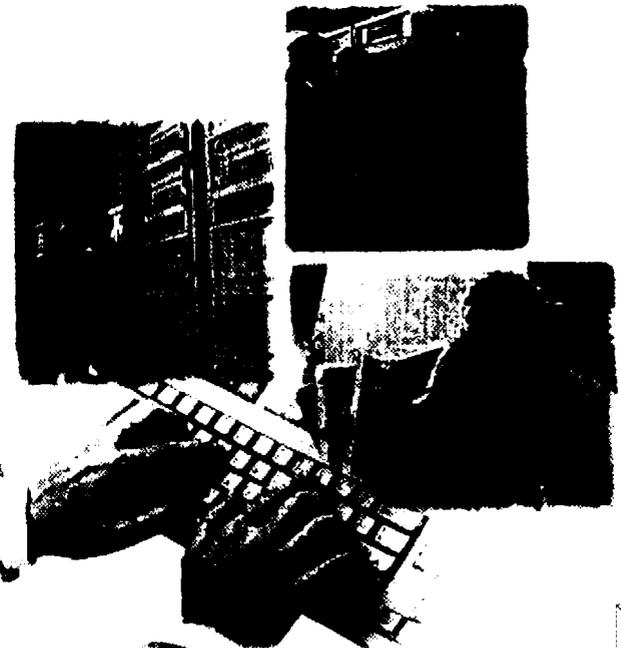
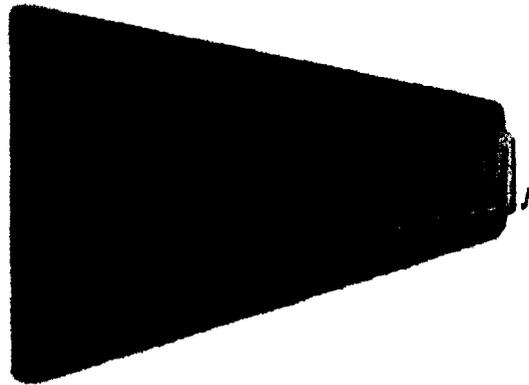
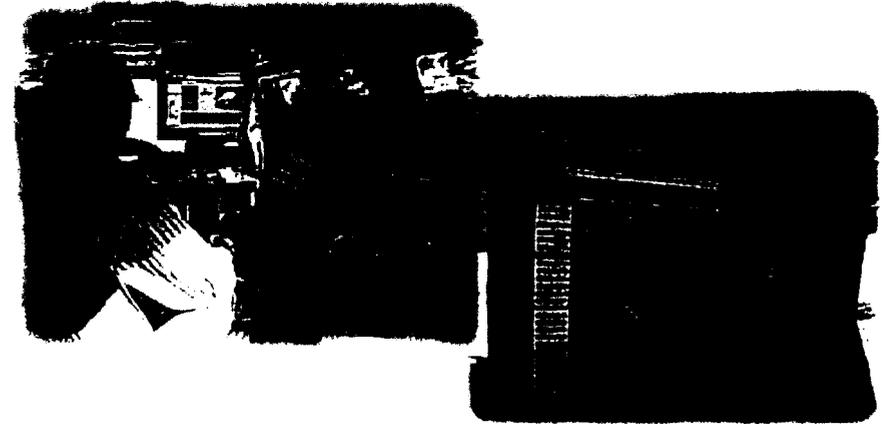
- Early implementation of leading-edge concepts

System prototyped and heavily tested:

- Multiple iterations of access network prototypes
- Multiple iterations of device prototypes
- Field and capacity tests in live systems (Customer sites and Qualcomm site)

Commercial ASIC samples in 2Q01

Standardized technology supported by leading infrastructure and device suppliers



1xEV: Average and Peak Performance

Spectrally efficient airlink provides 2.457 Mbps per sector forward peak throughput with a single 1.25 MHz CDMA frequency carrier

Asymmetric forward and reverse links:

- Average forward link throughput per sector
 - Pedestrian environment = 1,080 kbps (1 receive antenna)
= 1,550 kbps (2 receive antennas)
 - Vehicular environment = 550 kbps (1 receive antenna)
= 980 kbps (2 receive antennas)
- Reverse link throughput = 220 kbps per sector

Identical RF characteristics as 1x/IS-95:

- Same chip rate, link budget, power requirements, and coverage area
- 1xEV carrier looks to the rest of the network as an 1x/IS-95 carrier



1xEV: Features Designed For The User

Leverage from the Internet protocol (IP):

- Support for all popular operating systems and software applications
- No software drivers, wireless made easy

“Always on” user experience:

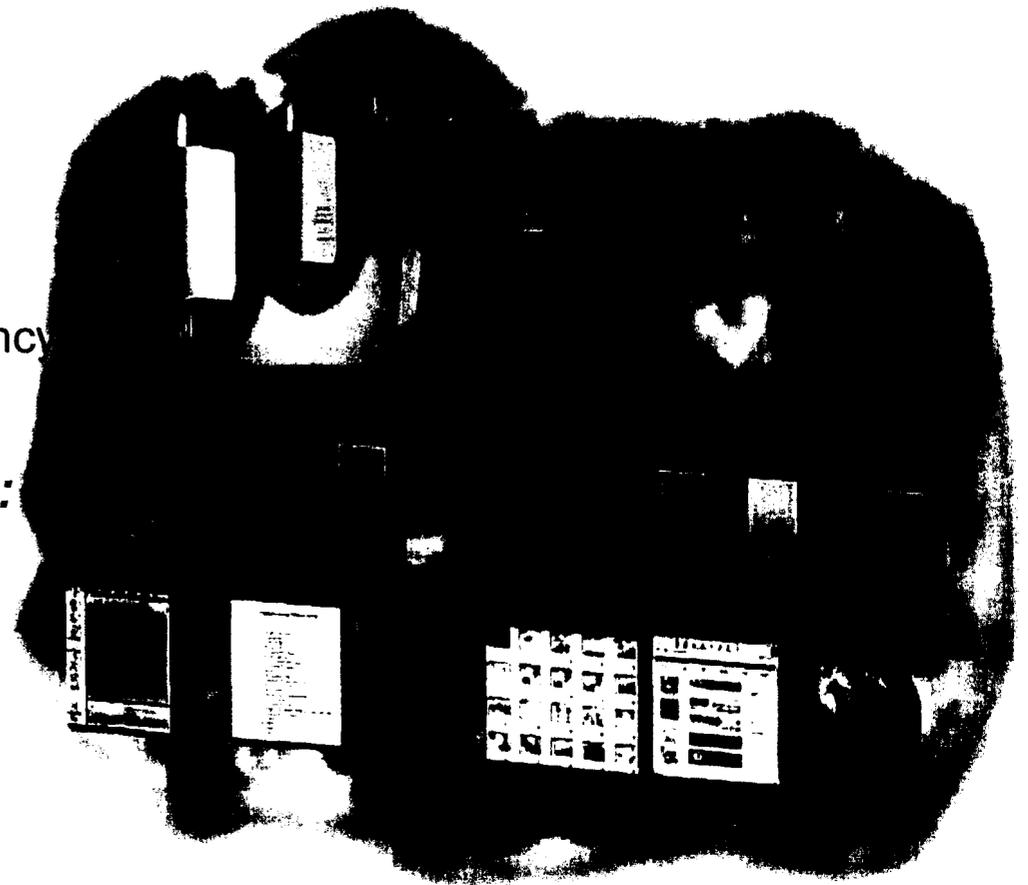
- Dormant mode
 - User experience is ‘always on’
 - Fast access
 - Preserves airlink resources during dormancy
 - Transparent to user

QoS– User & Application Prioritization:

- Multiple stream types
- Differentiated services

Security features:

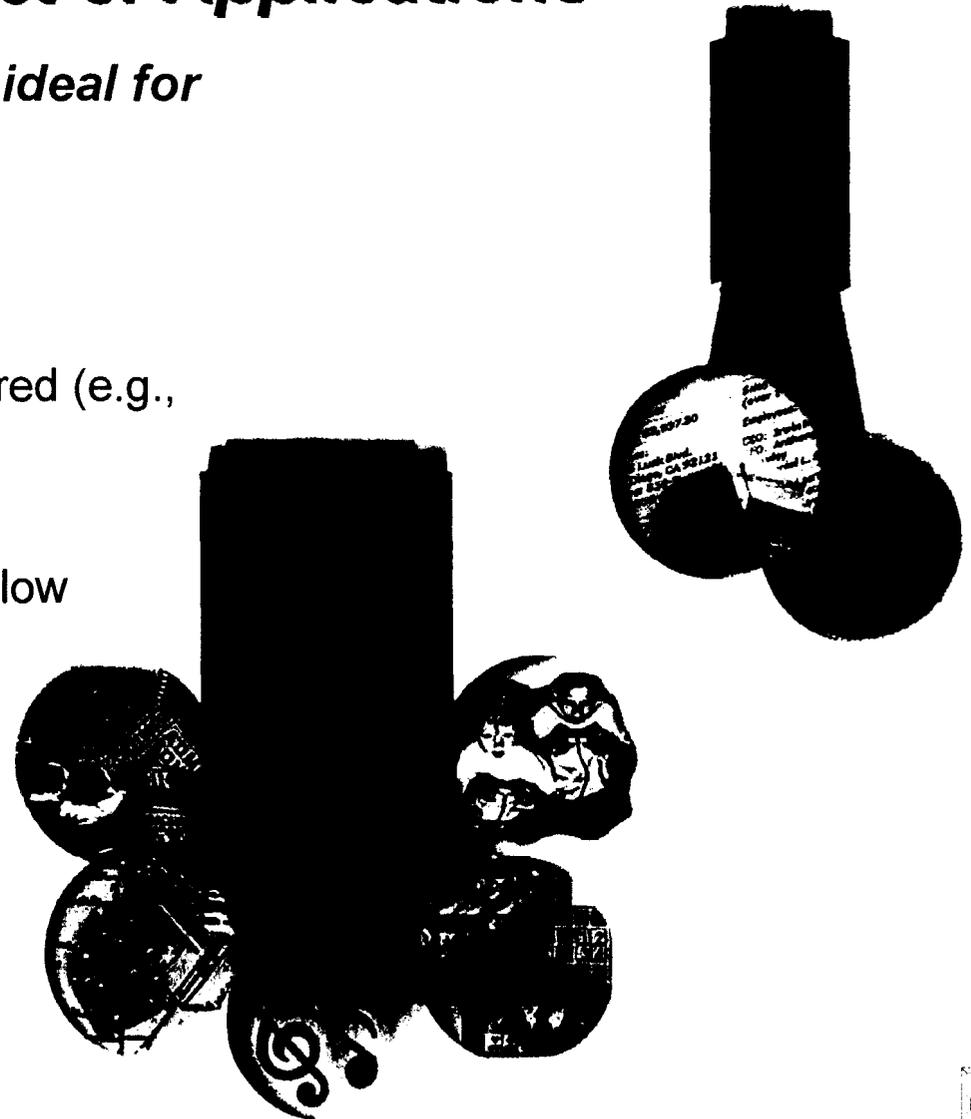
- Secure airlink
- Leverage from IP security mechanisms



1xEV: Support for a Broad Set of Applications

1xEV's high performance and low cost ideal for a variety of applications:

- Existing applications at lower costs (e.g., stock quotes, weather, ...)
- Data intensive applications can now be offered (e.g., video streaming, graphics, e-mail, airline reservations...)
- New breed of "wireless" applications that follow "Wire-line" Internet trends and add mobility



Unleashing the Internet

Internet Launchpad™ Suite

Multimedia
Qsynth™, CMX™,
IP Voice Chat,
Qtunes™, (MP3),
QTV™, (MPEG4),
Still Images

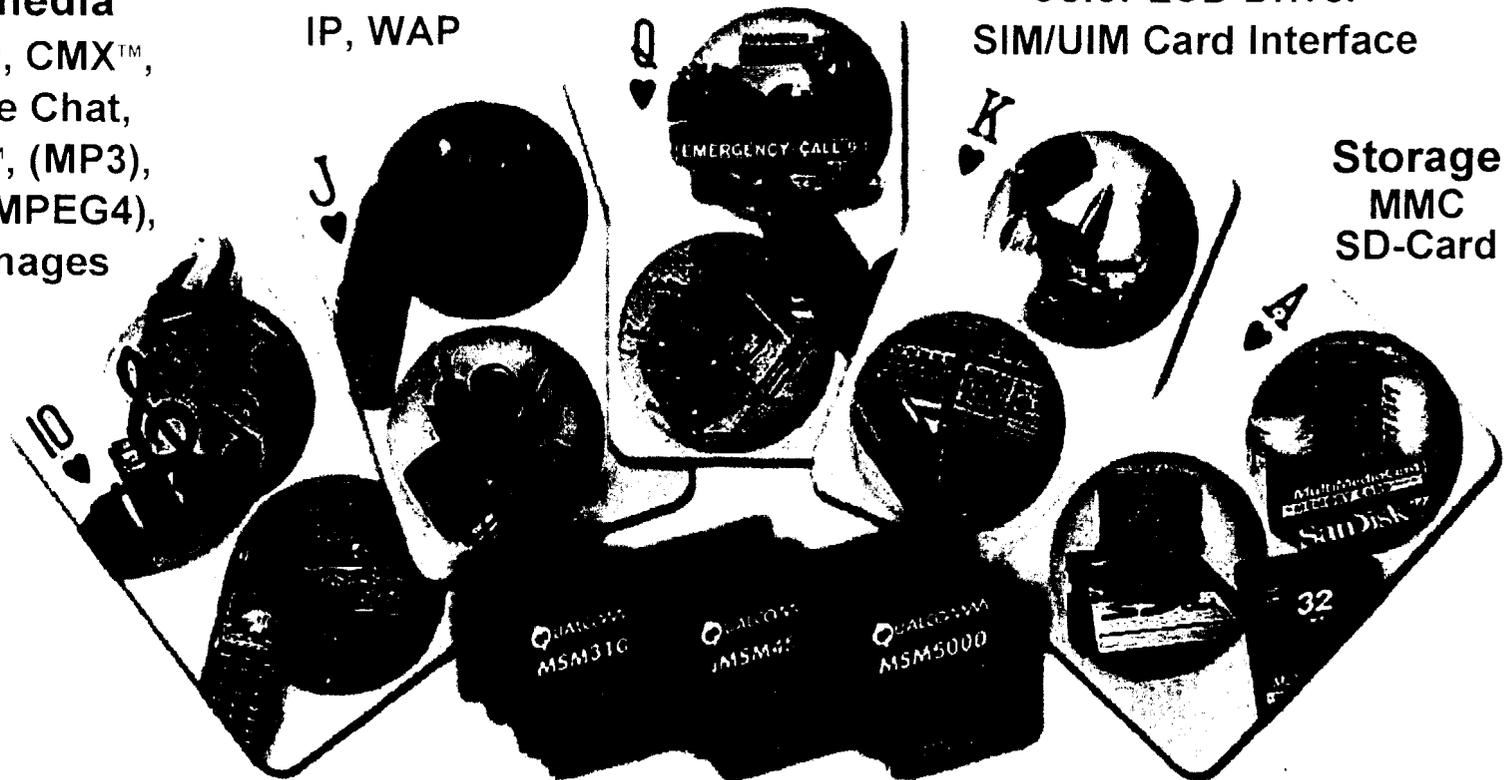
Connectivity
USB, Bluetooth,
PureVoice Mail™,
IP, WAP

Positioning
gpsOne™/
SnapTrack™

User Interface
Voice Recognition/
Recorder™/AGC™,
CMOS/CCD™*
Color LCD Driver
SIM/UIM Card Interface

Storage
MMC
SD-Card

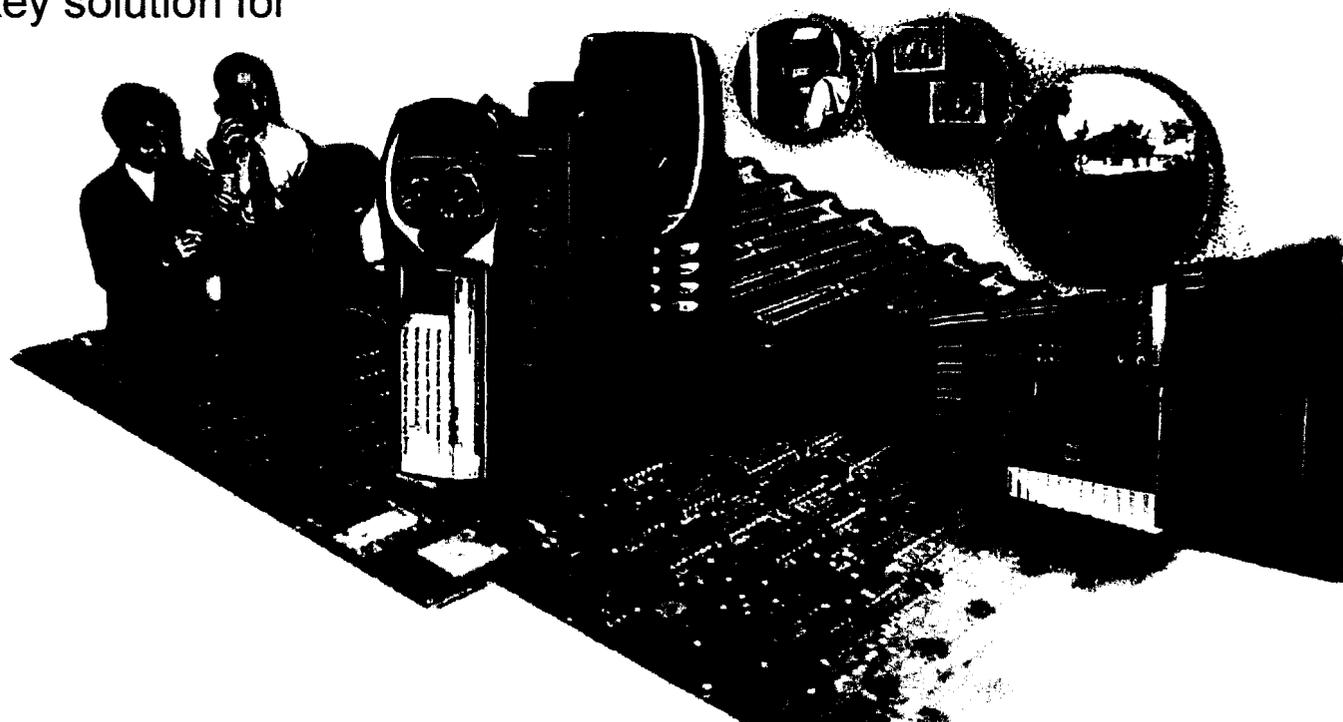
*A design suite
that enables
our customers
to leverage
CDMA technology*



1xEV Device Opportunity

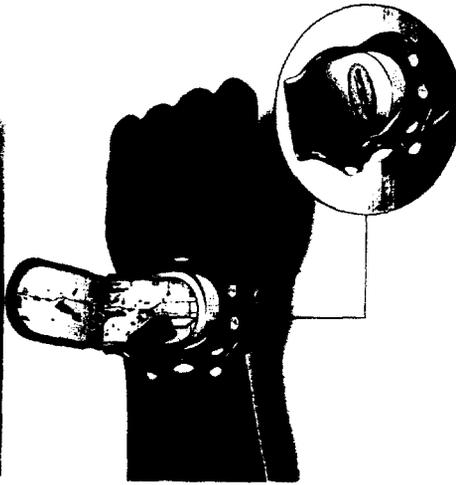
1xEV extends the domain and profitability of wireless devices:

- 1xEV handsets can be used as modems
- Laptops/PDAs can integrate 1xEV directly or use plug-in PC cards
- 1xEV network appliances can be introduced
- 1xEV modules can be a key solution for Telemetry applications
- “Ubiquitous” service experience

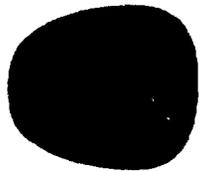


Wireless Providing Value-Addition and Differentiation for ANY Product

Wrist Assist PDA



Navigator



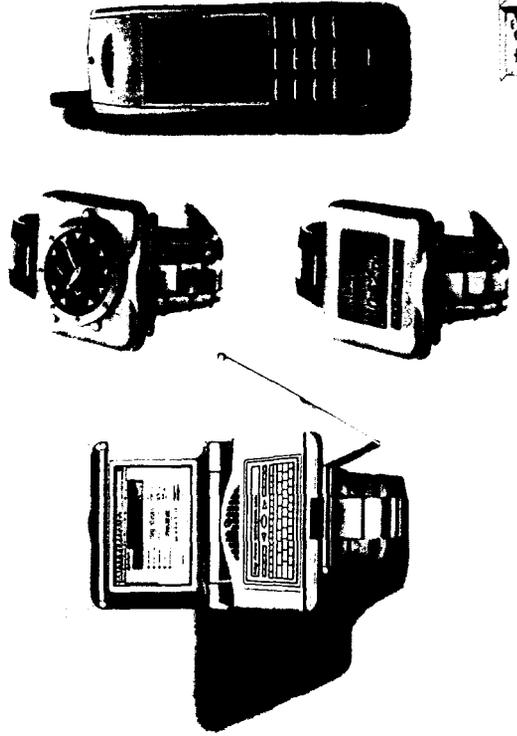
Mobile



RF Tag



Communicators



1xEV Extends the Domain of Wireless Devices

1xEV and Bluetooth enable the proliferation of data/Internet accessories:

- Bluetooth enables wireless and effortless connectivity of accessories
- 1xEV's data rates will make viable the introduction of Internet accessories that will range from display and I/O extensions to media players and other innovative products



1xEV: Enabling Product Differentiation and Tiering

1xEV empowers high and mid-tier devices:

- High and mid-tier devices will have the high data rates needed to introduce high-end value added services and applications, and to better focus on the business user
- PDAs and handheld computers can have heavier application content

1xEV empowers low-tier devices:

- Low-tier devices with 1xEV can be used as modems
- Other bluetooth accessories can be purchased to enhance the Internet experience
- Cost of low-tier devices remains very low

