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May 2, 2001

Ms. Magalie R. Salas  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

**Re: Oral Ex Parte Presentation**  
**ET Docket No. 00-258; CC Docket No. 94-102**

Dear Ms. Salas:

On behalf of my client QUALCOMM Incorporated ("QUALCOMM"), this is to report that on May 1, 2001, Dr. Paul E. Jacobs, Executive Vice President of QUALCOMM, Kevin Kelley, Senior Vice President, External Affairs of QUALCOMM, Jonas Neihardt, Vice President, Federal Affairs of QUALCOMM, and I met with Thomas Sugrue, Blaise Scinto, Kelly Quinn, and William Lane of the Commission's Wireless Telecommunications Bureau to discuss matters related to the two proceedings referenced above.

With respect to ET Docket No. 00-258, Dr. Jacobs discussed the status of the commercial deployment of third generation (3G) cdma2000 1x, which is on track with prior announcements from QUALCOMM and various carriers. Dr. Jacobs also discussed the inherent advantages to operators of deploying cdma2000 1x and cdma2000 1xEV in terms of reduced costs, higher data rates, and greater capacity than other 3G technologies. This discussion is summarized in the attached slides, which Dr. Jacobs showed at the meeting. Dr. Jacobs also showed the attendees several samples of CDMA2000 handsets.

In addition, Dr. Jacobs provided the attendees with background information related to BREW, QUALCOMM's platform for third party software developers to write applications for wireless phones. At present, third party software developers have had difficulties writing applications for wireless phones because of the absence of a common platform, which BREW will provide. Dr. Jacobs explained that BREW applications will reside on the servers of wireless carriers, and customers will be able to download the applications directly into their phones. Dr. Jacobs described the types of applications which BREW will enable, including location-based applications, games, and various internet-related services.

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With respect to CC Docket No. 94-102, Dr. Jacobs described the very successful initial results of the first widespread commercial launch of QUALCOMM's wireless assisted GPS position location technology, gpsOne, in Japan by SECOM Co. Ltd. ("SECOM"). These initial results are set forth in my ex parte letter to the Commission dated April 25, 2001.

Dr. Jacobs, Mr. Neihardt, and I all urged the Commission not to grant any blanket waiver of the Commission's E911 rules. Dr. Jacobs explained that QUALCOMM had developed its gpsOne technology and spent approximately \$1 billion to acquire Snap Track, all to meet the FCC's mandate in its E911 rules. We explained that QUALCOMM was on track in its production of chips and software for wireless-assisted gps phones, consistent with the deadlines in the FCC's rules, and that the results of the SECOM deployment show that handset-assisted technology is available, affordable, and reliable.

Please contact me if you need any further information.

Sincerely yours,

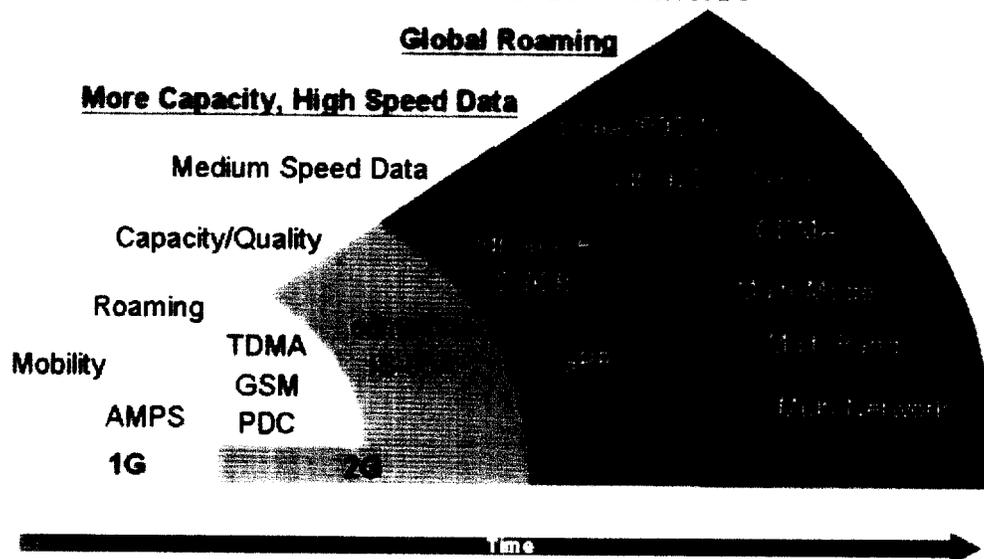
A handwritten signature in black ink, appearing to read "D. Brenner", written in a cursive style.

Dean R. Brenner  
Attorney for QUALCOMM Incorporated

cc: Thomas Sugrue  
Blaise Scinto  
Kelly Quinn  
William Lane



# Content and Applications are the New Drivers for the Wireless Market



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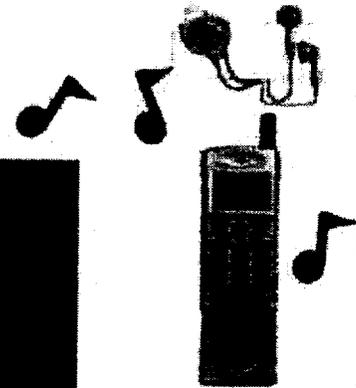
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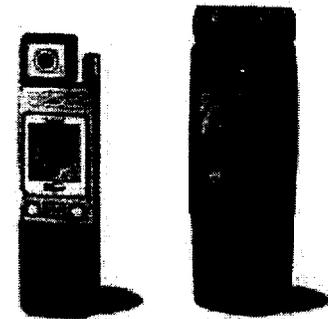


## 2G or 3G: Why Should You Care?

Technology	Network Speed (kbps)
GSM	14.4
EDGE	236.8
UMTS	3.1
UMTS HSPA	3.1



## Mobile Multimedia can be Economically Sold on 3G CDMA



White Paper Available at [www.qualcomm.com](http://www.qualcomm.com)

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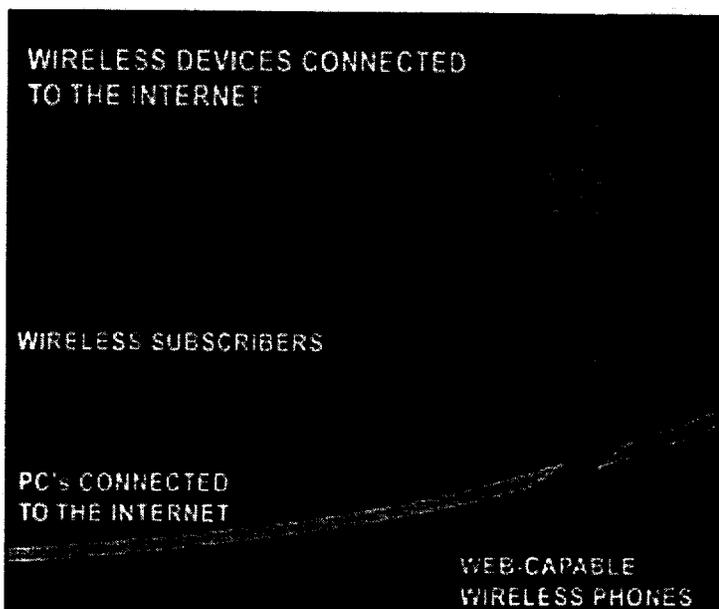
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## By 2003, Wireless Devices will Surpass Wired PCs in Access to the Internet



**A Large New  
Market to  
Reward a  
Strong  
Developer  
Community**

Source: Dataquest

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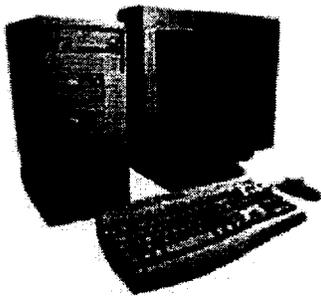
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# CDMA Terminals Today Compare to Desktop PCs in the 1990's

## Intel 80486 based Desktop Computer

Date:	1992
Processor:	486
Speed:	33 - 66 MHz
RAM/Flash:	8 MB
Drive/Storage:	80 - 300 MB



## Sony C404S cdmaOne Phone

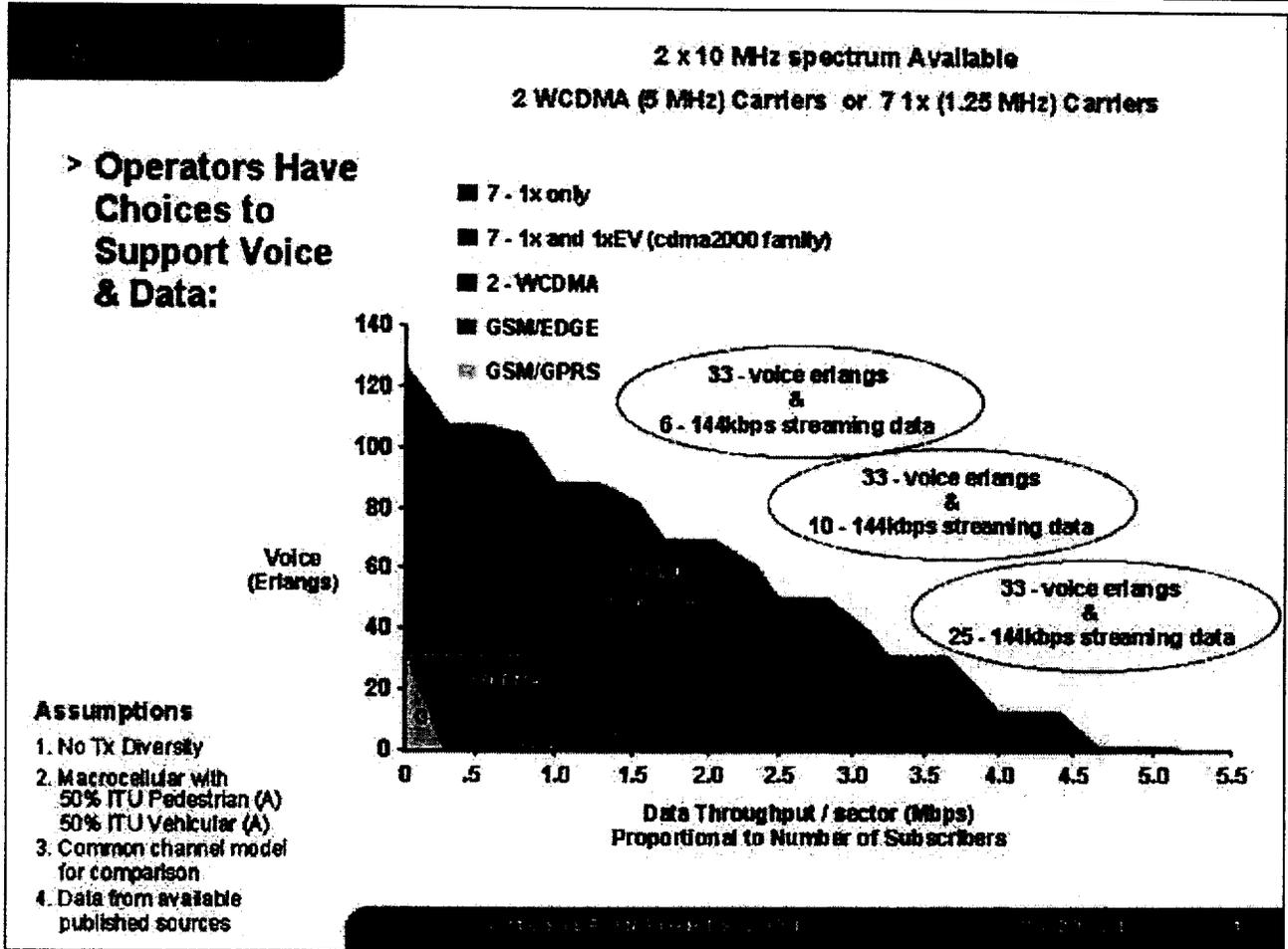
Date:	2001
Processor:	ARM7
Speed:	50 - 110 MHz*
RAM/Flash:	8 - 16 MB
Drive/Storage:	32 - 128 MB

\* Based on ARM7 specifications

**Plus Connectivity, Multimedia and Authentication**

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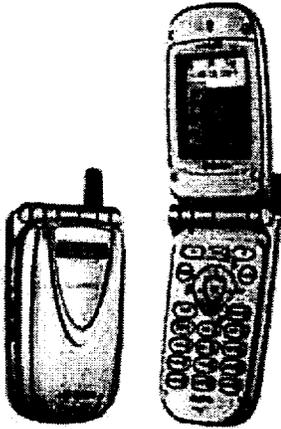
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## New Devices Improve the User Experience



**Sanyo SCP-5000**



**Kyocera QCP-6035  
Smartphone**



**Sony C404S  
(Japan)**

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## BREW: The Complete Applications Solution



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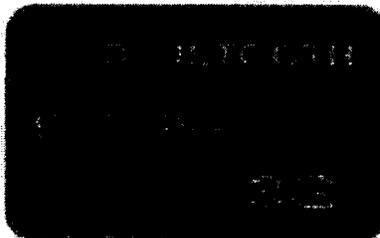


## **Applications Will Drive 3G CDMA BREW Will Drive Applications**



### **BREW Gives Users Ability to Customize Their Devices**

- **End-Users Download Apps and Content Over the Air**
- **Simplifies Wireless Application and Content Development**
- **End to End Billing and Payment System**
- **Certification & Digital Signature Provides Control & Security**
- **Enables Carrier and Manufacturer Differentiation**



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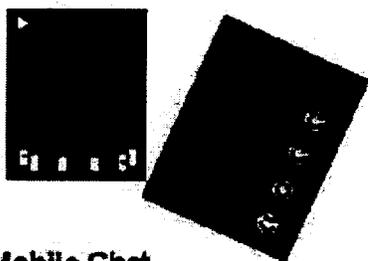
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## A Wide Variety of Applications. . .

### Mobile Text Communications

- Enhanced email
- Enhanced instant messaging



### Mobile Chat

- Group conferencing/voice chat
- Video conferencing

### Avatars

- Personalized agents



### Position Location Services

- Navigation assistance
- Friend finder
- Emergency services



### Entertainment

- Downloadable & streaming music
- Internet radio
- Streaming video
- Info. services
- e-Books



### Games

- Off- and on-line
- Multiple-player
- 3D motion, video, music



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