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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF SECRETARY

WRITER'S DIRECT DIAL  
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June 1, 1994

HAND DELIVER

Mr. William Caton  
Secretary  
Federal Communications Commission  
1919 M Street, NW #222  
Washington, DC 20554

DOCKET FILE COPY ORIGINAL

Re: GEN Docket No. 90-314  
Ex Parte Presentation

Dear Mr. Caton:

Pursuant to Section 1.1206 of the Commission's rules, this letter is to advise you that Doug Smith, President of Omnipoint Corporation, Timothy Hopple, of Omnipoint Corporation, Ronald Plessner, of Piper & Marbury, and I had a telephone conference call with Julius Knapp, Phillip Inglis, and David Means of the Commission's Office of Engineering and Technology.

During this conference call, we discussed Omnipoint Corporation's position with respect to the Commission's reconsideration of its Second Report and Order in the above-referenced proceeding, as it relates to unlicensed PCS issues. The attached five page written presentation summarizes the discussion, and was sent to the FCC staff via facsimile. Also discussed was an ex parte letter which Omnipoint will file separately today concerning channelization or segmentation in the unlicensed PCS band. Lastly, we discussed the possibility of a further notice or other proceeding to decide technical issues related to unlicensed PCS.

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Mr. William Caton  
June 1, 1994  
Page 2

In accordance with the Commission's rules, I hereby submit one original and one copy of this letter.

Sincerely,



Mark J. O'Connor  
Counsel to Omnipoint Corporation

Enclosure

cc: Mr. Julius Knapp  
Mr. Phillip Inglis  
Mr. David Means

1

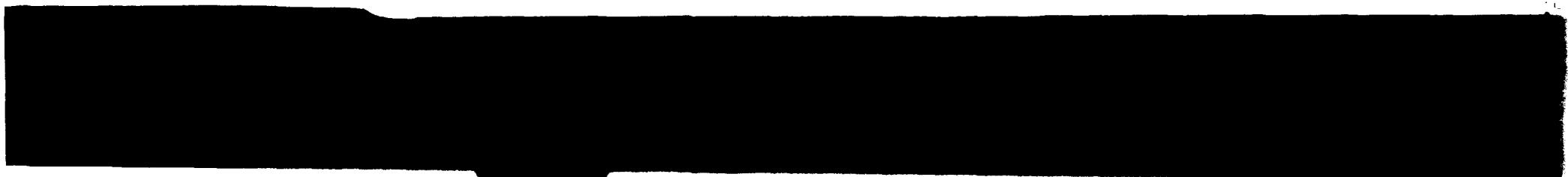
## **Cutting the Unlicensed Spectrum in Half from 40 MHz to 20 MHz is Too Great a Reduction to Then Favor Specific Vendors' Systems.**

- Channelization of the Isochronous Band Should Be Eliminated as Supported by the Majority of Industry Participants.
- If Channelization is Not Going to Be Eliminated, then Additional Time Should Be Taken to Equitably Accommodate the Requests of More than Just Three Vendors.

2

## **The Majority of Industry Participants Want to Eliminate Channelization in the Isochronous Band**

- 74% of PCIA Technical and Engineering Members Opposed Channelization, but a Vote of 75% was Required for PCIA to take a Formal Position.
- 60% of WinTech Isochronous Participants Opposed Channelization, but a Vote of 66% was Required for WinForum to take a Formal Position.
- The “Gang of Three” - AT&T, Motorola, and NT - Still Try to Create the Illusion that Their Minority Position Represents “Consensus”.



(3)

## The Following Major Players Opposed Channelization of the Isochronous Band:

Ameritech

Hughes

Southwestern Bell

Apple

Lace

SpectraLink

Bellcore

Omnipoint

Time Warner

BellSouth

Pacific Bell

US West

Cable Labs

Rockwell

Ericsson

Rolm

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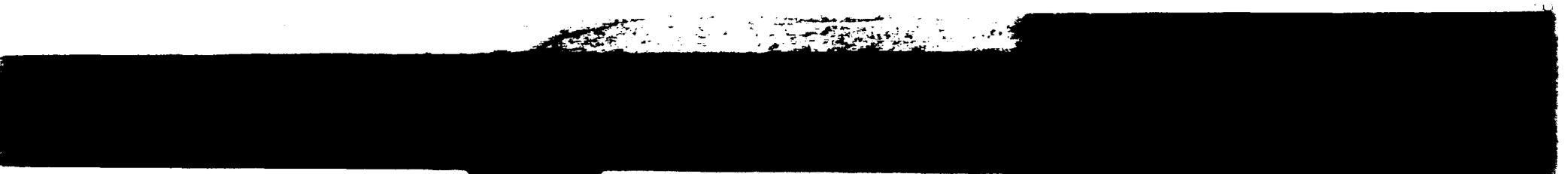
## **The May 9, 1994 AT&T/Motorola Presentation Favoring 1.25 MHz Channelization is Fatally Flawed**

- The AT&T/Motorola Position Does Not Represent WinForum, Nor UTAM, Nor the Industry at Large.
- Their Proposed Channelization Within the Isochronous Band Can Waste Over 50% of the Spectrum.
- Their Comparison Between 1.25 MHz and 5 MHz Systems is an Illusion:
  - The 5 MHz System They Invent is a Non-Existent "Strawman".
  - They Artificially Limit the Efficiency of 5 MHz Multiple User Systems.
  - They Ignore the Much Lower Power Spectral Density of Wide Band Systems (for example, only 1/50th of the Power of a 5 MHz System is Seen by a 100 kHz System.)
  - They Ignore the Fact that Independent Narrowband Systems Cannot Use Adjacent Channels in Close Proximity.
  - They Grossly Understate the Re-Use Factors of Narrowband Systems.
  - They Ignore the Time Domain Sharing Capabilities of SS TDMA Systems.



(5)

## **Unlicensed Spectrum Surrounded by Licensed Spectrum Should Be Allocated Primarily for Systems which Interoperate Between the Two Types of Applications**

- There is No Point in Favoring Stand Alone Unlicensed Systems (i.e., non-interoperable with licensed systems) in Spectrum Adjacent to Licensed Systems
  
  - Because the 1910-1930 MHz Unlicensed Band is the Only Unlicensed Spectrum Adjacent to All the Newly Proposed Licensed PCS Spectrum, Interoperable Systems Should be given Priority in this Band
  
  - Stand Alone Unlicensed Systems could be Allocated Frequency Anywhere on the Spectrum.
- 

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