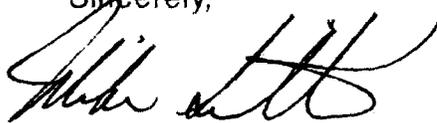


James Dunstan
Haley, Bader, and Potts
Page 2
August 7, 1995

It is for these reasons that we strongly urge the FCC to continue the rulemaking process, and to let the wind profiler users constructively co-exist in the 915-MHz ISM frequency band. Your consideration is sincerely appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Smith", with a stylized flourish at the end.

Mike Smith
Certified Consulting Meteorologist
President

MS:cda

c: Radian Corporation
2990 Center Green Court, S.
Boulder, CO 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, MD 21401

AAI SMI
SYSTEMS MANAGEMENT

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Weather Systems

AIR

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Doppler
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MP

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and Protection

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Wind Profilers

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Boundary Layer
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THE REPUBLIC GROUP



" Excellence in Meteorology "

3 August 1995

Mr. James Dunstan
Haley, Bader and Potts
4350 North Fairfax Drive
Arlington, VA 22203-1633

For: Secretary; Federal Communicators Commission,
Washington, D.C.

Subject: **Release of Notice of Proposed Rulemaking (NPRM) for
915 MHz Radar Wind Profiler Allocation**

Ref: Notice of Inquiry, FCC Docket No. ET 93-136 Dated
1 April 1993

Dear Mr. Dunstan:

This letter is provided to the Federal Communications Commission to support the continuation of the rulemaking process for a commercial 915 MHz frequency allocation for Wind Profiler Systems.

There is an Existing Government Allocation at 915 MHz.

The 915 MHz Instrumentation, Scientific and Medical (ISM) band is already utilized by government users of wind profilers. These users include all branches of the Department of Defense as well as many other U.S. Government agencies like NOAA and the National Weather Service.

There are Compelling Physical Principles for Using 915 MHz.

There are compelling reasons for this allocation. The physical principals upon which radar profilers operate are dependent on the scales of turbulence in the atmosphere being matched to the radar wavelength. years of experience with scientific programs led the National Oceanic and Atmospheric Administration to develop boundary layer radar profilers at

5801 Lee Highway • Arlington, Virginia 22207
(703) 533-8555 • Telex: 892532 REPUBLIC
Fax: (703) 533-3190

Page Two

915 MHz and this technology has subsequently been made available to commercial users and private industry on an experimental basis. Larger radar profilers operating at 449 MHz can never achieve the boundary layer measurements required for many applications.

There is a Long History of Cooperation with Other Users.

The domestic use of 915 MHz profilers includes over 100 installations with almost no incidents of interference with other services. Non-conflicting siting requirements and the vertically pointed profiler antennas means there is almost no chance of future incidents of interference. Profiler users have always cooperated with other ISM-band users in testing, limiting occupied bandwidth and controlling antenna sidelobes. Profilers will never be deployed in massive numbers; the United States would probably be adequately served with profiler coverage with less than 1000 systems.

The Application of 915 MHz Profilers is Critical for Issues Involving Safety of Life and Emergency Response.

Users of the 915 MHz technology include many state agencies and regional air pollution districts working to integrate the effects of air toxins and pollution in heavily populated areas. Other users include universities and private industry working to protect citizens from chemical spills, nuclear releases, wind shear at airports, global climate change and dangerous weather phenomenon. In short, 915 MHz radar profilers will help save lives and protect property for thousands of citizens.

It is for these reasons that we strongly urge the FCC to continue the rulemaking process and to let the wind profiler users peaceably coexist in the 915 MHz ISM frequency band. Your consideration is sincerely appreciated.

Sincerely,



Michael W. Ueltzen
President & CEO

cc: Radian Corporation
2990 Center Green Court South
Boulder, CO 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, MD 21401

James Dunstan
Haley, Bader, and Potts
4350 North Fairfax Drive
Arlington, VA 22203-1633

For: Secretary; Federal Communicators Commission Washington D.C.

Subject: **Release of Notice of Proposed Rulemaking (NPRM) for 915 MHz Radar Wind Profiler Allocation**

Ref: Notice of Inquiry, FCC Docket No. ET 93-59, FCC 93-136 Dated
1 April 1993

Dear Mr. Dunstan:

This letter is provided to the Federal Communications Commission to support the continuation of the rulemaking process for a commercial 915-MHz frequency allocation for Wind Profiler Systems.

There is an Existing Government Allocation at 915 MHz.

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There Are Compelling Physical Principles for Using 915 MHz.

There are compelling reasons for this allocation. The physical principles upon which radar profilers operate are dependent on the scales of turbulence in the atmosphere being matched to the radar wavelength. Years of experience with scientific programs led the National Oceanic and Atmospheric Administration to develop boundary layer radar profilers at 915 MHz, and this technology has subsequently been made available to commercial users and private industry on an experimental basis. Larger radar profilers operating at 449 MHz can never achieve the boundary layer measurements required for many applications.

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It is for these reasons that we strongly urge the FCC to continue the rulemaking process, and to let the wind profiler users peaceably co-exist in the 915-MHz ISM frequency band. Your consideration is sincerely appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg D. Watson", with a long horizontal flourish extending to the right.

c: Radian Corporation
2990 Center Green Court, S.
Boulder, CO 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, MD 21401

James Dunstan
Haley, Bader, and Potts
4350 North Fairfax Drive
Arlington, VA 22203-1633

For: Secretary; Federal Communicators Commission Washington D.C.

Subject: **Release of Notice of Proposed Rulemaking (NPRM) for 915 MHz Radar Wind Profiler Allocation**

Ref: Notice of Inquiry, FCC Docket No. ET 93-59, FCC 93-136 Dated
1 April 1993

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There are compelling reasons for this allocation. The physical principles upon which radar profilers operate are dependent on the scales of turbulence in the atmosphere being matched to the radar wavelength. Years of experience with scientific programs led the National Oceanic and Atmospheric Administration to develop boundary layer radar profilers at 915 MHz, and this technology has subsequently been made available to commercial users and private industry on an experimental basis. Larger radar profilers operating at 449 MHz can never achieve the boundary layer measurements required for many applications.

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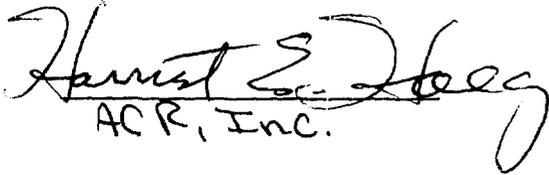
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It is for these reasons that we strongly urge the FCC to continue the rulemaking process, and to let the wind profiler users peaceably co-exist in the 915-MHz ISM frequency band. Your consideration is sincerely appreciated.

Sincerely,


ACR, Inc.

c: Radian Corporation
2990 Center Green Court, S.
Boulder, CO 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, MD 21401

July 27, 1995

Mr. James Dunstan
Haley, Bader, and Potts
4350 North Fairfax Drive
Arlington, Virginia 22203-1633

For: Secretary, Federal Communicators Commission, Washington D.C.

Subject: **Release of Notice of Proposed Rulemaking (NPRM) for 915-MHz Radar Wind Profiler Allocation**

Ref: Notice of Inquiry, FCC Docket No. ET 93-59, FCC 93-136 dated 1 April 1993

Dear Mr. Dunstan

This letter is provided to the Federal Communications Commission to support the continuation of the rulemaking process for a commercial 915-MHz frequency allocation for Wind Profiler Systems.

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Users of the 915-MHz technology include many state agencies and regional air pollution districts working to integrate the effects of air toxics and pollution in heavily populated areas. Other users include universities and private industry working to protect citizens from chemical spills, nuclear releases, wind shear at airports, global climate change and dangerous weather phenomenon. In short, 915-MHz radar profilers will help save lives and protect property for thousands of citizens.

It is for these reasons that we strongly urge the FCC to continue the rule-making process, and to let the wind profiler users peaceably co-exist in the 915-MHz ISM frequency band. Your consideration is greatly appreciated.

Sincerely,


Paul Scoggins
T M P A

PS:hs1

c: Radian Corporation
2990 Center Green Court, S.
Boulder, Colorado 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, Maryland 21401

James Dunstan
Haley, Bader, and Potts
4350 North Fairfax Drive
Arlington, VA 22203-1633

For: Secretary; Federal Communicators Commission Washington D.C.

Subject: **Release of Notice of Proposed Rulemaking (NPRM) for 915 MHz Radar Wind Profiler Allocation**

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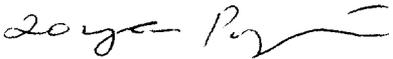
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Sincerely, 
ZOYA POPOVIC
ASSOCIATE PROFESSOR
UNIV OF COLORADO, Boulder

c: Radian Corporation
2990 Center Green Court, S.
Boulder, CO 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, MD 21401

James Dunstan
Haley, Bader, and Potts
4350 North Fairfax Drive
Arlington, VA 22203-1633

For: Secretary; Federal Communicators Commission Washington D.C.

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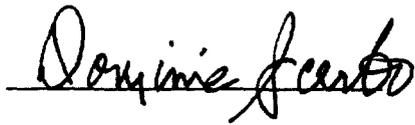
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Sincerely,

A handwritten signature in black ink, reading "Dominic J. Cento". The signature is written in a cursive style and is positioned above a horizontal line.

c: Radian Corporation
2990 Center Green Court, S.
Boulder, CO 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, MD 21401

James Dunstan
Haley, Bader, and Potts
4350 North Fairfax Drive
Arlington, VA 22203-1633

Mr. Dunstan -

August 9, 1995

This form letter expresses my
own views very well -
Thank you Edwikerole

For: Secretary; Federal Communicators Commission Washington D.C.

Subject: **Release of Notice of Proposed Rulemaking (NPRM) for 915 MHz Radar
Wind Profiler Allocation**

Ref: Notice of Inquiry, FCC Docket No. ET 93-59, FCC 93-136 Dated
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Sincerely,

A handwritten signature in black ink, appearing to read "Gary Patrick". The signature is written in a cursive style with a large, stylized initial "G".

c: Radian Corporation
2990 Center Green Court, S.
Boulder, CO 80301

Gary Patrick
NTIA
179 Admiral Cochrane Drive
Annapolis, MD 21401

CERTIFICATE OF SERVICE

I, Carol A. Park, an employee of Haley Bader & Potts P.L.C., hereby certify that on this 11th day of September, 1995, sent copies of the foregoing, "ADDITIONAL COMMENTS OF RADIAN CORPORATION," via first-class postage pre-paid mail to the following:

- * Honorable Reed E. Hundt, Chairman
 Federal Communications Commission
 1919 M Street, N.W., Room 814
 Washington, D.C. 20554

- * Honorable James H. Quello, Commissioner
 Federal Communications Commission
 1919 M Street, N.W., Room 802
 Washington, D.C. 20554

- * Honorable Andrew C. Barrett, Commissioner
 Federal Communications Commission
 1919 M Street, N.W., Room 826
 Washington, D.C. 20554

- * Honorable Susan Ness, Commissioner
 Federal Communications Commission
 1919 M Street, N.W., Room 832
 Washington, D.C. 20554

- * Honorable Rachelle B. Chong, Commissioner
 Federal Communications Commission
 1919 M Street, N.W., Room 844
 Washington, D.C. 20554

Richard W. Wiley, Esquire
David E. Hilliard, Esquire
Carl R. Frank, Esquire
Edward A. Yorkgitis, Jr., Esquire
WILEY, REIN & FIELDING
1776 K Street, N.W.
Washington, D.C. 20006
Counsel for AMTECH CORPORATION

Christopher D. Imlay, Esquire
BOOTH, FRERET & IMLAY
1233 20th Street, N.W., Suite 204
Washington, D.C. 20036
Counsel for THE AMERICAN RADIO RELAY LEAGUE, INC.



Carol A. Park

* Hand-Delivered