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EX PARTE OR LATE FILED

USWEST

Elridge A. Stafford
Executive Director-
Federal Regulatory

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January 25, 1994

EX PARTE

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JAN 25 1994

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY

Mr. William F. Caton, Secretary
Federal Communications Commission
1919 M Street, N.W., Room 222
Washington, D.C. 20554

RE: Gen. Docket No. 90-3141
and ET docket No. 93-62

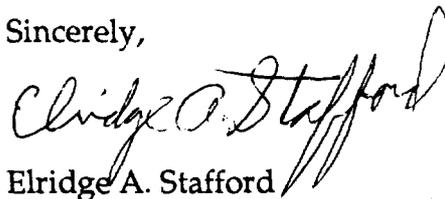
Dear Mr. Caton:

On Tuesday, January 25, 1994 representatives from U S WEST met with Fred Thomas, Robert Cleveland, Anthony Serafini, and David Szypulski, of the Office of Engineering and Technology, regarding the above-referenced proceedings. Representing U S WEST were Randy Oster and Elridge Stafford. The attached document served as the basis for the discussion.

In accordance with Section 1.1206(a)(2) of the Commission's rules, the original and one copy of this letter, including attachments, are being filed with your office. Acknowledgement and date of receipt are requested. A duplicate of this letter is attached for this purpose.

Please contact me at 202-429-3134 should you have any questions concerning this matter.

Sincerely,



Elridge A. Stafford
Executive Director, Federal Regulatory

Attachments

No. of Copies rec'd 021
List ABCDE

U S WEST

Discussion Points

- **Increase of the maximum EIRP to 1600 Watts**
- **Support of the 1992 ANSI/IEEE exposure standards**

January 25, 1994

U S WEST

Maximum EIRP of 1600 Watts

- **Greater range for remote areas and highways**
- **Required where coverage, rather than capacity, is needed**
- **Allows use of sectorized and intelligent antennas**
- **Number of cells can be reduced by 65-75%**

January 25, 1994

U S WEST

Compliance with 1992 ANSI/IEEE Standard

- **EIRP increase has little effect on compliance**
- **No increase in handset power is proposed**
- **OET paper - "Information on Cellular Radio and Radio-frequency Radiation" - raises no compliance issues for cellular at 500 Watts ERP**
- **Typical exposure in uncontrolled areas only 1/300 of ANSI limit using example from paper and 1600 Watts EIRP at 1850 MHz**

January 25, 1994

U S WEST

Power Limits vs. Build-Out Requirements

- 100 Watt EIRP requires 3-4 times as many cells per unit area
 - 90% population coverage extremely expensive compared to 75%
- e.g. Boise, Idaho BTA: 75% = 2600 sq. miles;
90% = 19,000 sq. miles

January 25, 1994

PCS Mileage Coverage Analysis

Square Miles Covered to Meet Population Coverage Requirement

