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February 20, 1996

Mr. H Franklin Wright
Office of Engineering and Technology
Federal Communications Commission
2000 M Street, N.W.
Rm. 230
Washington, D.C. 20554

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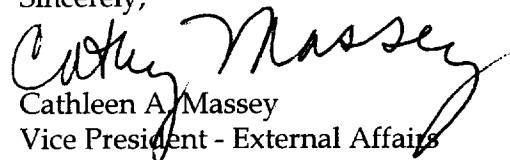
**FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY**

RE: FCC Experimental License KA2XAC
Issued to Interstate Mobilephone Company
File No. 5007-EX-PL-95
Experimental Report

Dear Mr. Wright:

Interstate Mobilephone Company is hereby submitting its latest progress report regarding the experimental activities associated with the above-referenced license. Please do not hesitate to call me should you have any questions regarding this matter.

Sincerely,


Cathleen A. Massey
Vice President - External Affairs

Enclosure

cc: FCC Secretary's Office

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Progress Report - FCC Experimental License KA2XAC

**FEDERAL COMMUNICATIONS COMMISSION
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1. Introduction

This report describes the progress of an ongoing series of propagation tests in the 1850-1990 MHz band, in and around the Redmond, Washington area. The testing requires the transmission and reception of wideband-modulated signals to characterize multipath-induced effects and other anomalies over a relatively wide frequency range. This work is necessary to support the requirements definition for wireless communications systems.

2. Activities During This Quarter

Prior to operation, the receive and transmit antennas were checked for in-band signal activity using a spectrum analyzer. This was done to ensure that the test system did not cause harmful interference to incumbent Private Operational Fixed microwave systems. Some preliminary testing was done with CW signals to determine path loss for line-of-sight paths, over distances of 1,000 to 3,000 feet. Analysis of the results is ongoing.

3. Plans for Next Quarter

A description of the test configuration and test signals will be generated and included in the next report. The testing will include placing the Transmitter and Receiver Subsystems at various distances between 1000 and 9000 feet, concentrating mainly on non line-of-sight paths.