



Southwestern Bell Technology Resources

John A. Moore
512-3725810

PC

March 22, 1995

Mr. Richard M. Smith
Chief - Office of Engineering and Technology
Federal Communications Commission
2000 M Street, NW
Room 480
Washington, DC 20554

Re: Southwestern Bell Technology Resources, Inc.
Call Sign KM2XBI
File Number: 4703-EX-ML-95 (expansion/continuation of 3037-EX-PL-92)
Quarterly Progress Report Number Fifteen

Dear Mr. Smith:

In accordance with the Federal Rules and Regulations Part 5, Section 5.204(b), attached please find quarterly progress report number fifteen for Southwestern Bell Technology Resources, Inc. in connection with our personal/wireless communications testbeds.

The main objective in our St. Louis testbed is to verify performance of the emerging wireless communications systems and technologies prior to integration into one of SBC Communications Inc.'s business units. Attached we are reporting our progress and test results in propagation testing in Tulsa, Oklahoma.

Please direct any inquiries to me at 512-372-5810.

Sincerely,

John A. Moore DRW

John A. Moore
Director, Wireless Communications

Attachment

**FCC Quarterly Progress Report Number Fifteen (15) in
Connection with Personal/Wireless Communications
Testbeds**

Conducted by Southwestern Bell Technology Resources, Inc.

March 26, 1995

**Authorized by FCC Experimental License
Call Sign KM2XBI, File Number 4703-EX-ML-95
(expansion/continuation of 3037-EX-PL-92)**

1.0 Introduction

This report describes propagation testing conducted in Tulsa, Oklahoma in conjunction with SBC's preparation for PCS deployment in the Tulsa MTA.

2.0 1.9 GHz Testing in Tulsa, Oklahoma

On December 3, 14, and 15th, 1995, Southwestern Bell Technology Resources, Inc. conducted propagation testing in the south Tulsa area. The purpose of this testing is to examine propagation characteristics in the terrain found in the Tulsa area.

The transmit testing was conducted using a directional antenna which was used with an ERP of 100 Watts. Prior to this study, Southwestern Bell commissioned Micronet Communications, Inc. (Plano, TX) to perform a frequency survey to find a non-interfering transmit frequency within the 1850-1990 Mhz band. The results of this study and the parameters of our testing are outlined below:

Transmit Frequency:	1976.000 Mhz CW
Max. Transmit Power	80 Watts ERP

Prior to transmission, the Engineer-in-Charge at the regional FCC office (Dallas, TX) was notified of our testing via certified mail.

The data recorded during this testing has been analyzed. The result is that the propagation characteristics observed seem to fall within the range of published propagation models incorporated into many commercially available planning tools.