

* Paul M.



**Southwestern Bell
Technology Resources**

John A. Moore
512-372-5810

June 19, 1997

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

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Federal Communications Commission
Office of Secretary

Re: Southwestern Bell Technology Resources, Inc.
Call Sign KM2XBI
File Number: 4703-EX-ML-95
Quarterly Progress Report Number Twenty

Dear Mr. Smith:

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

The main objective of our Austin 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.

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

Sincerely,

David R. Wolter for

John A. Moore
Director, Wireless Communications

Attachment

**FCC Quarterly Progress Report Number Twenty (20) in
Connection with Personal/Wireless Communications
Testbeds**

Conducted by Southwestern Bell Technology Resources, Inc.

June 19, 1997

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

Austin Testbed

Southwestern Bell Technology Resources, Inc. (TRI) is in the process of deploying a 9 site testbed in Austin to examine cellular, PCS and Wireless Local Loop (WLL) systems. These sites will be interconnected by 38 GHz point-to-point microwave links back to TRI's building at 9505 Arboretum Blvd., Austin, TX 78759. We currently have the first of these microwave links installed and operating. We have been using this link to evaluate performance characteristics associated with power levels, distance and antenna polarity.

Data on test configuration:

Frequency:	Channel 48 Band 1 - 38837.5 Mhz and Band 3 - 39537.5 Mhz
Channel bandwidth:	3.5 MHz
Transmit power:	16 dBm
Range:	Approximately 1 mile
Data:	Test pattern from T1 test set