SBC Technology Resources, Inc.

David Wolter
512-372-5818

February 24, 2003

Ms. Nancy Hey
Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
445 12th Street, SW
7th Floor
Washington, DC 20554

Re: Southwestern Bell Technology Resources, Inc.
Call Sign KM2XBI
File Number: 0144-EX-RR-2001
Progress Report Number Twenty Seven

Dear Ms Hey:

In accordance with the Federal Rules and Regulations Part 5, Section 5.204(b), attached please find the annual progress report (report number twenty seven) for SBC Technology Resources, Inc. (TRI) in connection with our personal/wireless communications testbeds.

The main objective of our Austin and Pleasanton testbeds are 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 512-372-5818.

Sincerely,

David R. Wolter

David Wolter
Executive Director, Wireless Communications

Attachment

FCC Progress Report Number Twenty Seven (27) in Connection with Personal/Wireless Communications Testbeds

Conducted by SBC Technology Resources, Inc.

February 24, 2003

Authorized by FCC Experimental License
Call Sign KM2XBI, File Number 0144-EX-RR-2001

Attachment

SBC Technology Resources did not radiate using any of the frequencies authorized under call sign KM2XBI in the year 2002.

SBC Technology Resources, Inc. (TRI) has deployed an outdoor testbed located around its offices at 9505 Arboretum Blvd. in Austin, TX. This testbed is used to perform tests on emerging wireless systems and to validate improvements to existing systems. Each site consists of a 45 ft. pole, an equipment cabinet with power, and a 38 GHz microwave link to interconnect it with TRI's Wireless Technology Laboratory within TRI's office building.

In 2002, no experiments were run using this testbed, the 38 GHz links to the testbed sites were not operated, and no transmissions were made under the experimental license either in the testbed or in our laboratories.

However, the experimental license was used to support our cellular affiliate Cingular Wireless in the demonstration of GSM-based hardware that was not yet type accepted. This was conducted within the cellular (850 MHz) and PCS (1900 MHz) frequencies for which Cingular has license in the area of test, and with prior coordination and consent. A summary of the testing is provided below.

All tests/demonstrations performed in Wilmington and Concordville, NH

Date	Time Start	Time End	Location	Cell Sites	Frequency Band	Description of Demonstrations
8/7/2002						
	10:00 AM	11:00 AM	Cingular, Newcastle Switch Building		850 MHz	EFR vocoder, GPRS
	12:10 AM	1:10 PM	Wilmington Marriott		850 MHz	GPRS
	3:00 PM	3:30 PM	Wilmington Marriott		850 and 1900 MHz	AMR
	3:44 PM	5:02 PM	Naaman's Road	CID 5146	850 and 1900 MHz	GPRS
			Naaman's Creek Road & Faulk Road		850 MHz	GPRS
			Concord Mall		850 and 1900 MHz	GPRS, WAP
	5:02 PM	5:27 PM	Naaman's Creek Road & Faulk Road	CID 5146	850 and 1900 MHz	Hand over and GPRS download
	5:27 PM	6:24 PM	Jeff Gordon Street, Township Lane, and I95 North	CID 5163, 5022	850 MHz	AMR Handover
			Road 92 and I95 Junction	CID 5040, 5152	850 MHz	Handover and LAC change
8/8/2002						
	10:50 AM	12:35 PM	Best Western at Concordville	CID 5146	850 MHz	AMR FR 4.75_DTX_off
					850 MHz	Mobile to mobile
					1900 MHz	Codec change to 5.15 to PSTN, 1900_DTX_off
					1900 MHz	Mobile to mobile
					1900 MHz	DTX_on 5.9 to PSTN
					1900 MHz	Mobile to mobile
					1900 MHz	DTX_on 6.7 to PSTN
					1900 MHz	Mobile to mobile
					1900 MHz	Codec change to 7.4 to PSTN, 1900_DTX_on
					1900 MHz	Mobile to mobile
					1900 MHz	DTX_on to 7.95 to PSTN
					1900 MHz	Mobile to mobile
					1900 MHz	DTX_on to 10.2 to PSTN, early establishment
					1900 MHz	Mobile to mobile
					1900 MHz	DTX_on to 12.2 to PSTN
					1900 MHz	Mobile to mobile
	4:40 PM	5:30 PM	Best Western at Concordville	CID 5146	850 MHz	850 AMR half-rate
	8:00 PM	8:30 PM	Best Western at Concordville	CID 5146	1900 MHz	GPRS, download, browsing
8/9/2002						
	9:00 AM	3:00 PM	Concordville	CID 5122, 5021	850 Mhz	850 AMR handover - Half rate to Full rate
	3:30 PM	4:00 PM	Best Western at Concordville	CID 5146	850 and 1900 MHz	850 half rate, 1900 half rate
	5:00 PM	7:00 PM	Best Western at Concordville	CID 5146	1900 MHz	GPRS, WAP, SMS, GSM
8/10/2002	9:00 AM	11:30 AM	Best Western at Concordville	CID 5146	1900 MHz	GPRS, WAP, SMS, GSM