



AT&T Labs, Inc.

January 22, 2007

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

RE: Progress Report Number Thirty-one
AT&T Labs, Inc. (formerly SBC Labs, Inc.)
Call Sign KM2XBI (Modified as: 0058-EX-ML-2003)

Dear Ms. Hey:

In accordance with the FCC's Rules and Regulations Part 5, Section 5.204(b), we are hereby reporting on the use of the electromagnetic spectrum under the above experimental license issued to SBC Laboratories, Inc (now AT&T Labs).

Our usage under this license in 2006 has been as follows:

1) CW propagation testing in Juneau, Alaska, to gather data which, when analyzed, will provide information to facilitate updating model parameters in our planning tools. Transmitters were turned on during the week of October 27, 2006, and remained on through the remainder of the year, except when off due to power outages or equipment trouble. There were a total of 20 CW tones transmitted with no modulation, one tone per antenna polarization. Two towers, Lena Point and 11 Mile, used 8 CW tones and were each configured with four 90 degree cross polarized antennas. The Mt. Roberts Tram site used 4 tones on two cross polarized antennas.

EIRP all polarizations, all antennas 37.5 dBm

Transmitting Site Coordinates:

Location	North Latitude	West Longitude	Ground Elevation (feet MSL)	Antenna Height (feet AGL)
Lena Point	58.391111	134.768333	114	197
11 Mile	58.370278	134.608056	52	138
Mt. Roberts	58.296583	134.387361	1653	164

Transmitting Site Frequency and Directional Information:

Tx Unit Number	Location	Azimuth (deg. True)	+ 45 degree Freq. (MHz)	- 45 degree Freq. (MHz)	Downtilt (degrees)
1	Lena Point	45	2350.4	2355.2	0
2	11 Mile	45	2350.8	2355.6	1
3	11 Mile	135	2351.2	2356.0	2
4	Lena Point	135	2351.6	2356.4	0
5	Not used	-	2352.0	2356.8	-
6	Not used	-	2352.4	2357.2	-
7	Lena Point	225	2352.8	2357.6	0
8	11 Mile	225	2353.2	2358.0	0
9	Mt. Roberts Tram	180	2353.6	2358.4	10
10	Lena Point	315	2354.0	2358.8	0
11	11 Mile	315	2354.4	2359.2	0
12	Mt. Roberts Tram	270	2354.8	2359.6	15

2) Transmission in Austin, Texas, to validate propagation and operational characteristics of two fixed wireless access systems. The systems were turned on during the week of April 10, 2006, and remained on through the remainder of the year, except when off due to power outages or equipment maintenance.

System 1: FDD; EIRP 53 dBm Base, 30 dBm CPE.

System 2: TDD; EIRP 46 dBm Base, 23 dBm CPE.

Transmitting Site Coordinates:

Base Location	North Latitude	West Longitude	Ground Elevation (feet MSL)	Antenna Height (feet AGL)
Arboretum	30.390997	97.752164	800	120
Jollyville	30.397450	97.750238	800	25

Transmitting Site Frequency and Directional Information:

System	Location	Azimuth (deg. True)	Freq. (MHz)	BW (MHz)	Downtilt (degrees)
1	Arboretum	12	2357.5	5	1
1	Jollyville	178	2312.5	5	0
2	Arboretum	12	2352.5	5	1
2	Jollyville	178	2352.5	5	0

For system 1, a test CPE was also placed inside a van and took measurements and tested operation at ranges up to 3 miles north, and up to 30 degrees to the east and west of the Arboretum base station site. CPEs for both systems were also placed at the Jollyville location for the same purposes of taking measurements and testing the system operation.

Please direct any inquiries to me at 512-372-5818.

Sincerely,

David R. Wolter

David Wolter

Executive Director, Wireless Networks

AT&T Labs, Inc.

(512) 372-5818