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March 2, 1994

BY CERTIFIED MAIL

Frequency Liaison Branch
Federal Communications Commission
Room 7326
2025 M Street, N.W.
Washington, D.C. 20554

Re: Experimental Radio Station Licenses KK2XBA and KK2XBB
Six Month Progress Report

Dear Sir/Madam:

Enclosed for your files is the six month progress report required under Special Condition #2 of each of the above-referenced licenses. If you have any technical questions relating to this report, you may contact Mike Witten at (404) 894-7363. Please give me a call at (404) 894-4812 for any administrative questions.

Sincerely,

Gail Gunnells

E. Gail Gunnells
Attorney

EGG/vc
Enclosure
cc: Mike Witten, GTRI-ITL

INTERIM TECHNICAL REPORT NUMBER 4:
EXPERIMENTAL LICENSES:KK2XBA and KK2XBB

February 25, 1994

During this reporting period, June 15, 1993 to January 15, 1994, no additional measurements have been made under either of the two experimental licenses KK2XBA or KK2XBB. Efforts in this time period focused on statistical analysis of existing data, and analysis to determine what measurements should take place next.

The data taken to date are being broken down and statistically characterized for use in experimental indoor RF propagation modeling software. The first approach being investigated is to use the data directly, with measured or scaled-measured data and statistics projected to similar environments to predict RF and multipath behavior. The second approach involves use of the data to develop, verify and/or tune other modeling schemes such as ray tracing. A paper is being written for the International Symposium on Personal, Indoor and Mobile Radio Communications that will present some of these results.

Additional measurements are being planned for early March. These measurements will help answer some questions on propagation outdoors in the near vicinity of an indoor microcell. Exact measurement procedures are being worked out based on previous measurement experience and data.