



September 11, 1998

Federal Communications Commission
Experimental Radio Service
PO Box 35820
Pittsburgh, PA 15251-5320

Dear Sirs:

Lucent Technologies hereby requests an Experimental License to perform essential experimentation in the 3.4-3.6 GHz frequency band.

We are requesting this authorization in order to conduct over-the-air experiments with a new, compact, fixed Wireless Local Loop System. The actual product is officially designated as the AirLoop[®] System, which is designed to operate in 1.9 GHz, 2.4 GHz and 3.4 GHz frequency bands as customer options in accordance with commercially available spectrum. The purpose of this Experimental License is to obtain authorization for experimentation in the 3.4-3.6 GHz frequency band. It is critical that this Experimental License be granted so that this new product can be tested and further developed outside of the controlled laboratory environment, and in diverse environmental conditions and over diverse geographic terrain. The equipment designed for the 3.4 to 3.6 GHz band is not to be sold in the United States, it will be marketed in the Caribbean and Latin American countries. In compliance with CFR 47, Part 5, Section 5.205, the attached FCC Form 442 with exhibits are being submitted.

This Experimental License will be used 1) to experiment with a functional AirLoop[®] System, as described in this document, simulating subscriber traffic, and 2) to perform RF propagation experiments using the AirLoop[®] base station and subscriber transceivers. All tests and experiments will utilize 100 MHz duplex Tx/Rx paired carriers.

1. NAME AND ADDRESS:

Lucent Technologies
600 Mountain Avenue, Room 3D-430
Murray Hill, NJ 07974
ATTN: Jane M. Zakutansky
Phone: 908-582-5029