



**Indiana White River
State Park**
Development Commission

0185-EX-5T-2000

801 West Washington Street
Indianapolis, IN 46204
317.634.4567
317.233.2434
FAX 634-4508

May 4, 2000

Chief Frequency Liaison
Office of Engineering and Technology
Federal Communications Commission
2025 M Street, N.W., Room 7322
Washington, D.C. 20544

Dear FCC:

In accordance with Section 5.56 of the Commission's Rules, we request special temporary authority ("STA") to operate an experimental radio facility for the purpose noted below.

The Fee Code for this application is PALS. A check for \$45.00 and Form 159 are enclosed.

In support of this request, the following is shown:

1. Applicant's Name and Address

White River State Park Development Commission
801 West Washington Street
Indianapolis, Indiana 46204
attn: Peggy Boehm, Executive Director
phone: 317-233-2434

2. Need for Special Attention

The STA is requested in order for us to evaluate a new generation of local area automatic vehicle monitoring ("AVM") technology described below.

3. Type of Operation

The operation of the system is intermittent in that a signal is transmitted only when a vehicle is present.

4. Purpose of Operation

The AVM system will be used at our facilities to identify automatically vehicles equipped with a transponder (tag). The system consists of a reader that transmits an unmodulated signal and passive transponder devices attached to the vehicles to be identified. Specifically, the applicant's AVM systems will be used for access control.

5. Date of Operation

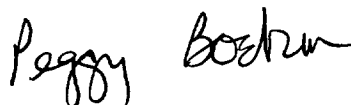
The evaluation of the AVM system is planned to commence within two weeks of the date of this request. Actual operation is to commence following receipt of the requested authorization and is to continue for a period of up to 6 months.

6. Class of Station
The station class is experimental
7. Location of Proposed Operation
The operation will be conducted at:
White River State Park Parking Facility
IMAX Theater, IMAX Garage
650 West Washington Street
Indianapolis, Indiana 46204
8. Equipment to be Used
The equipment to be used consists of a new generation of tag readers being developed by Amtech Corporation. The antenna will be attached to the reader.
9. Frequencies Desired
The desired frequencies range from 890-915 MHz.
10. Radiated Power
The maximum effective radiated power will be approximately 4 watts or less.
11. Type of Emission
The emission is 50K0NON. It is a continuous wave signal for the reader. Frequency stability is 50ppm. The low level modulated backscatter signal returned by the passive transponders has an occupied bandwidth of approximately 2.5 MHz. It is reduced in field strength more than 39 dB from the signal transmitted by the reader.
12. Overall Height of Antenna Above Ground
The antenna will be less than 8 feet above ground.
13. Anti-Drug Abuse Certification
The applicant hereby certifies that neither it, its officers and directors, nor any party with a five percent or greater interest in this request for special temporary authority has been convicted of offenses consisting of the distribution or possession of controlled substances, as such terms are defined in Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.

If there are any questions about this application, please contact me

Thank you for your prompt attention to this request.

Sincerely,



Peggy Boehm
Executive Director