

5-3482-EX-1998



**COLONIAL GRAND**  
at HUNTER'S CREEK

May 15, 1998

Chief, Frequency Liason  
Office of Engineering and Technology  
Federal Communications Commission  
Room 7322  
2025 M Street N.W.  
Washington DC 205445320

*need 5/29/98*

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 PAI ~~S~~. A check for \$45 and Form 159 are enclosed.

In support of this request, the following is shown:

1. Applicant's Name and Address.

Colonial Properties Trust  
Colonial Grand at Hunter's Creek  
14200 Colonial Grand Boulevard  
Orlando, FL 32837  
Attention: Jim Blackwell  
Tel. No: (407)888-9500

2. Need for Special Action.

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

3. 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 system will be used to open swing gates granting access to the community.

14200 Colonial Grand Blvd., Orlando, FL 32837 phone 407-888-9500 fax 407-888-9966

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:

Colonial Grand at Hunter's Creek  
Colonial Grand Boulevard, Town Loop Boulevard, Hunter's Creek Boulevard

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 are 915.742, 915.75, & 910.746 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 from the reader. Frequency stability is 50 ppm. 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 10 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 the undersigned.

Thank you for your prompt attention to this request.

Respectfully,  
Colonial Properties Trust  
Colonial Grand at Hunter's Creek

By: Jim Blackwell  
Title: Regional Maint. Director  
Date: Jim Blackwell