

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WQ9XOZ

(Call Sign)

0736-EX-ST-2020

(File Number)

NAME Georgia Institute of Technology

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

This experiment will contribute the state of the art in detection and discrimination of air vehicles and surface targets.

**Station Locations**

(1) Smyrna (COBB), GA - NL 33-54-27; WL 84-31-23

**Frequency Information**

Smyrna (COBB), GA - NL 33-54-27; WL 84-31-23

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 9.23-9.47 GHz | FX            | 26M0F3N             | 845000 W (ERP)   | 1.0E-7 %                  |

**Special Conditions:**

- (1) This request is for proof-of-concept for radiolocation purposes only. It shall not be used for air traffic control purposes, including the separation of aircraft. It shall not be used for a feed to air traffic control operations.

This authorization effective June 15, 2020 and  
will expire 3:00 A.M. EST December 15, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**

