

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

EXPERIMENTAL

(Nature of Service)

WL9XMM

(Call Sign)

XT MO

(Class of Station)

0941-EX-ST-2018

(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 small air vehicles. Testing is to determine capability of this radar for UAV collision avoidance. ***PLEASE

Station Locations

- (1) MOBILE: Elliott Airfield, Dawsonville, GA, within 5 km, centered around NL 34-27-38;
WL 84-10-57

Frequency Information

MOBILE: Elliott Airfield, Dawsonville, GA, within 5 km, centered around NL 34-27-38; WL 84-10-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-15.65 GHz	MO	250MF3N	150 W (ERP)	0.001 %

Special Conditions:

- (1) The radars mounted on UAS must not be used for air traffic control purposes or separation of aircraft.
- (2) Aircraft operations must be limited to U.S.-registered aircraft.
- (3) The stop buzzer contact for this project is Jim Perkins, Phone: 404-407-8270, Email: jim.perkins@gtri.gatech.edu

This authorization effective July 01, 2018 and
will expire 3:00 A.M. EST January 02, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**

