

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WL9XMM

(Call Sign)

0764-EX-ST-2017

(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.

Station Locations

(1) Dawsonville (DAWSON), GA - NL 34-27-38; WL 84-10-57

Frequency Information

Dawsonville (DAWSON), GA - NL 34-27-38; WL 84-10-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-5600 MHz	FX	10M0G3N	200 W (ERP)	0.01 %
5650-5850 MHz	FX	10M0G3N	200 W (ERP)	0.01 %

Special Conditions:

- (1) NTIA's concurrence is based on the assumption this is being done under contract with a Government agency.
- (2) Georgia Institute of Technology must change lower limit to 5250 MHz.

This authorization effective July 15, 2017 and
will expire 3:00 A.M. EST January 15, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Georgia Institute of Technology must notch out 5600-5650 MHz to protect FAA radars.
- (4) Use of the frequency bands does not constitute a FAA endorsement of further commercial development for sUAS, nor should it be used for air traffic control purposes or separation of aircraft. The user may need to find suitable radio spectrum for final development.