

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

EXPERIMENTAL

(Nature of Service)

WK9XDU

(Call Sign)

XT FX

(Class of Station)

1597-EX-ST-2016

(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:

Determine whether internal reflections from the radome will create catastrophic internal failures once the system is turned on at full power.

Station Locations

(1) Smyrna (COBB), GA - NL 33-54-42; WL 84-31-35

Frequency Information

Smyrna (COBB), GA - NL 33-54-42; WL 84-31-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8000-8020 MHz	FX	4M00L7D	1 MW (ERP)	
8100-8110 MHz	FX	4M00L7D	1 MW (ERP)	
8130-8175 MHz	FX	4M00L7D	1 MW (ERP)	

This authorization effective November 30, 2016 and
will expire 3:00 A.M. EST May 30, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Smyrna (COBB), GA - NL 33-54-42; WL 84-31-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8195-8315 MHz	FX	4M00L7D	1 MW (ERP)	
8350-8470 MHz	FX	4M00L7D	1 MW (ERP)	
8480-9000 MHz	FX	4M00L7D	1 MW (ERP)	
9200-10550 MHz	FX	4M00L7D	1 MW (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The following bands must be notched to protect FAA operations in the area.
8020-8100 MHz
8110-8130 MHz
8175-8195 MHz
8315-8350 MHz
8470-8480 MHz
- (4) The applicant must not utilize the bands 9596 - 9604 MHz and 9616 - 9624 MHz from 1 April 2017 to 31 May 2017.