

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XBZ

(Call Sign)

0732-EX-ST-2021

(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 test a radio link that is being developed in the ISM band.

Station Locations

- (1) Smyrna (COBB), GA - NL 33-54-43; WL 84-31-35
- (2) Atlanta, GA - NL 33-46-51; WL 84-24-01
- (3) Kingston, GA - NL 34-10-31; WL 84-55-20
- (4) Acworth (COBB), GA - NL 34-00-48; WL 84-43-27

Frequency Information

Smyrna (COBB), GA - NL 33-54-43; WL 84-31-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
850-902 MHz	FX	250KF1D	10 W (ERP)	0.01 %
908-960 MHz	FX	250KF1D	10 W (ERP)	0.01 %

This authorization effective May 23, 2021 and
will expire 3:00 A.M. EST November 23, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Atlanta, GA - NL 33-46-51; WL 84-24-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
850-902 MHz	FX	250KF1D	10 W (ERP)	0.01 %
908-960 MHz	FX	250KF1D	10 W (ERP)	0.01 %

Kingston, GA - NL 34-10-31; WL 84-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
850-902 MHz	FX	250KF1D	10 W (ERP)	0.01 %
908-960 MHz	FX	250KF1D	10 W (ERP)	0.01 %

Acworth (COBB), GA - NL 34-00-48; WL 84-43-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
850-902 MHz	FX	250KF1D	10 W (ERP)	0.01 %
908-960 MHz	FX	250KF1D	10 W (ERP)	0.01 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.

Special Conditions:

- (3) Georgia Institute of Technology must notch out the following:
 - a. 902-908 MHz band
 - b. 960-1000 MHz band
- (4) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:

SMR/ESMR licensees (809-824 MHz/854-869 MHz)

B/ILT licensees (809-824 MHz/854-869 MHz)

Cellular licensees (824-849 MHz/869-894 MHz)

Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)

SMR licensees (896-901 MHz/935-940 MHz)

B/ILT licensees (896-901 MHz/935-940 MHz)

Narrowband PCS licensees (901-902/930-931/940-941 MHz)

Location & Monitoring Service licensees (902-928 MHz)

Paging Service licensees in 929 MHz and 931 MHz