

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XMP

(Call Sign)

1628-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) Phoenix, AZ - NL 33-22-38; WL 111-59-18

Frequency Information

Phoenix, AZ - NL 33-22-38; WL 111-59-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-15.65 GHz	FX	250MF3N	150 W (ERP)	1.0E-7 %

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) Operations are for Detect and Avoid (DAA) functions only.

This authorization effective November 04, 2020 and
will expire 3:00 A.M. EST April 16, 2021

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Special Conditions:

- (3) In accordance with Footnote US511E, the 15.4-15.7 GHz band by is limited to federal systems requiring a necessary bandwidth greater than 1600 MHz that cannot be accommodated within the 15.7-17.3 GHz band and radar systems operating in the radiolocation service shall not be developed solely for operation in the band 15.4-15.7 GHz. Radar systems requiring use of the band 15.4-15.7 GHz for testing, training, and exercises may be accommodated on a case-by-case basis.