

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

EXPERIMENTAL

(Nature of Service)

WS9XTU

(Call Sign)

XT FX MO

(Class of Station)

1534-EX-ST-2021

(File Number)

NAME AURA Network Systems OpCo, LLC

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:

The tests will allow AURA to determine the most effective combination of equipment and network parameters to securely and reliably enable voice, data, and navigation capabilities for autonomous

Station Locations

- (1) Cartersville, GA - NL 34-07-12; WL 84-51-05; MOBILE: , within 80 km, centered around NL 34-07-12; WL 84-51-05

Frequency Information

Cartersville, GA - NL 34-07-12; WL 84-51-05; MOBILE: , within 80 km, centered around NL 34-07-12; WL 84-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
454.675-454.975 MHz	FX	320KW1D	50 W (ERP)	0.0005 %
459.675-459.975 MHz	MO	320KW1D	4 W (ERP)	0.0005 %

Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.

This authorization effective October 11, 2021 and
will expire 3:00 A.M. EST April 12, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (3) 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.
- (4) Prior to commencing any operations in the frequencies below, the experimental licensee must obtain consent from the following within 200 miles of the contours of the testing area:
 - a. Mobile Service licensees in 454 MHz/459 MHz
 - b. General Aviation Air-Ground Service in 454 MHz/459 MHz
- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.