

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

EXPERIMENTAL

(Nature of Service)

WP9XEW

(Call Sign)

XT FX MO

(Class of Station)

1571-EX-ST-2019

(File Number)

NAME L3Harris Technologies, Inc.

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:

Utilizing the frequencies 2.47-2.49 GHz, L3Harris seeks to demonstrate and test how well the UAS will be controlled in a UAS Traffic Management environment by operating the

Station Locations

- (1) Grand Forks AFB (GRAND FORKS), ND - NL 47-56-04; WL 97-24-37
- (2) MOBILE: within 5 km radius of centerpoint coordinates, within 5 km, centered around NL 47-56-16; WL 97-24-52

Frequency Information

Grand Forks AFB (GRAND FORKS), ND - NL 47-56-04; WL 97-24-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.47-2.49 GHz	FX	17M5D2D	4 W (ERP)	0.0001 %

This authorization effective October 28, 2019 and
will expire 3:00 A.M. EST March 17, 2020

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Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The stop buzzer contact for the demonstrations and proposed testing is Chris Theisen, Director of Research and Development, Northern Plains UAS Test Site (Tele: 701-610-1357). Alternate stop buzzer contact- Herb Rose of L3Harris (Mobile: 703-380-0208, Office: 703-790-6381).
- (5) Licensee shall coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation in 2.47-2.49 GHz band.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.