

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

EXPERIMENTAL

(Nature of Service)

WN9XAE

(Call Sign)

XT FX MO

(Class of Station)

1135-EX-ST-2018

(File Number)

NAME Ultra Electronics - Tactical Communication Systems (TCS)

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:

Participate with the United States Special Operations Command Technical Experimentation18-3 event at Fort AP Hill, VA.

Station Locations

- (1) Fort A.P. Hill, VA - NL 38-07-04; WL 77-16-35; MOBILE: FT AP Hill, VA 22427, within 25 km, centered around NL 38-07-04; WL 77-16-35

Frequency Information

Fort A.P. Hill, VA - NL 38-07-04; WL 77-16-35; MOBILE: FT AP Hill, VA 22427, within 25 km, centered around NL 38-07-04; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	11M6D1D 11M6D1D	4.5 W (ERP)	0.005 %
1780-1850 MHz	MO	11H5D1D	3 W (ERP)	0.0003 %

This authorization effective July 16, 2018 and
will expire 3:00 A.M. EST July 20, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2025-2310 MHz	MO	25M1D1D	4.5 W (ERP)	0.0003 %
4400-4600 MHz	FX	25M1D1D	8.9 W (ERP)	0.0003 %
4700-4940 MHz	FX	25M1D1D	8.9 W (ERP)	0.0003 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Prior to commencing any operations, the applicant must obtain consent from WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T).
- (6) Aeronautical mobile operations in 2305-2310 MHz is not permitted.
- (7) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (8) Ultra Electronics - Tactical Communication Systems must notch out and not interfere with operations on 2218 MHz, 2230 MHz, 4455 MHz, 4530 MHz, 4710 MHz, and 4725 MHz.