

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

EXPERIMENTAL

(Nature of Service)

WN9XFK

(Call Sign)

XT FX

(Class of Station)

1451-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:

Conduct USSOCOM TE 18-4 Terrestrial Line of Site (TRILOS), Heterogeneous Network (HETNET) wireless maritime communication operations with the Ultra ORION radios systems

Station Locations

(1) Virginia Beach, VA - NL 36-55-07; WL 76-09-53

Frequency Information

Virginia Beach, VA - NL 36-55-07; WL 76-09-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1350-1390 MHz	FX	11M5D1	2.82 W (ERP)	0.0003 %
1350-1390 MHz	FX	22M8D1	2.7 W (ERP)	0.0003 %
4400-4600 MHz	FX	11M5D1	1.7 W (ERP)	0.0003 %

This authorization effective September 10, 2018 and
will expire 3:00 A.M. EST September 15, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Virginia Beach, VA - NL 36-55-07; WL 76-09-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4700-4940 MHz	FX	22M8D1	2.7 W (ERP)	0.0003 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) NTIA concurs, provided that the operations are ground-to-ship and not airborne. Also, Ultra Electronics – Tactical Communication Systems (TCS) must submit an SPS certification to justify the wide bandwidth and operations below 1370 MHz prior to future requests.