

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XCL

(Call Sign)

1398-EX-ST-2018

(File Number)

NAME Virginia Tech

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:

To develop floating base stations that use energy harvested from water waves to power wireless communications in the TV whitespace.

Station Locations

(1) Dublin (PULASKI), VA - NL 37-03-11; WL 80-37-19

Frequency Information

Dublin (PULASKI), VA - NL 37-03-11; WL 80-37-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-476 MHz	FX	5M00G1W	1 W (ERP)	0.001 %

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) Operation is subject to prior coordination with local Society of Broadcast Engineers frequency coordinator to protect the Broadcast Auxiliary Service operations.

This authorization effective August 24, 2018 and
will expire 3:00 A.M. EST September 22, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**

