

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WP9XPT

(Call Sign)

2029-EX-ST-2019

(File Number)

NAME Alion Science and Technology

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:

Demonstrate to US Army and Marine Corps personnel performance of a short-range, man-portable radar system capable of detecting personnel and vehicles amid brush and foliage.

Station Locations

- (1) New York (NEW YORK), NY - NL 40-43-43; WL 74-00-21
- (2) New York (NEW YORK), NY - NL 40-43-14; WL 73-59-41

Frequency Information

New York (NEW YORK), NY - NL 40-43-43; WL 74-00-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2500 MHz	FX	50M0F2D	20 W (ERP)	1.0E-6 %

This authorization effective December 01, 2019 and
will expire 3:00 A.M. EST January 31, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

New York (NEW YORK), NY - NL 40-43-14; WL 73-59-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2500 MHz	FX	50M0F2D	20 W (ERP)	1.0E-6 %

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (7) The stop buzzer contact for this project is Robert Fitzgibbon
Phone: 3153567088
Email: rfitzgibbon@alionscience.com
- (8) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (9) Alion Science and Technology must notch out the following band: 2460-2464 MHz.
- (10) Alion Science and Technology must:
 - a. Coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2450-2500 MHz band.
 - b. Obtain consents from the Broadband Radio Service licensees prior to operation in 2496-2500 MHz band.