

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XJH

(Call Sign)

0746-EX-ST-2021

(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 Special Operations Command personnel performance of a short-range, man-portable radar system capable of detecting personnel and vehicles amid brush and foliage.

Station Locations

(1) Camp Atterbury (BARTHOLOMEW), IN - NL 39-17-25; WL 86-02-26

Frequency Information

Camp Atterbury (BARTHOLOMEW), IN - NL 39-17-25; WL 86-02-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2350-2550 MHz	FX	200MF2D	20 W (ERP)	1.0E-6 %

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.

This authorization effective July 12, 2021 and
will expire 3:00 A.M. EST November 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (4) The stop buzzer contact for this project is Robert Fitzgibbon
Phone: 3153567088
Email: rfitzgibbon@alionscience.com
- (5) Prior to commencing any operations in WCS frequencies (2305-2320 MHz/2345-2360 MHz), the licensee must obtain consent from the WCS licensee (AT&T).
- (6) Prior to commencing any operations in Aeronautical and Fixed frequencies (2360-2395 MHz), the licensee must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (7) Experimental licensee must obtain consents from the Educational Broadband Service and Broadband Radio Service licensees in the proposed area prior to accessing to the frequency range from 2496 MHz to 2550 MHz.
- (8) Experimental licensee must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the proposed frequency bands.
- (9) Experimental licensee must coordinate with Fixed Microwave Service licensees in the proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (10) Operations in the WCS bands (2305-2320 MHz and 2345-2360 MHz) must comply with the emission limits applicable to those bands. See 47 C.F.R. § 27.53(a).
- (11) Prior to commencing any operations in the 2483.5-2500 MHz frequency bands, experimental licensee must notify licensee of GUSA Licensee LLC. (Call sign E970381, S2115. Name: Mr. L. Barbee Ponder IV Phone Number: 985-335-1503 E-Mail: Barbee.Ponder@Globalstar.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.