

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WH9XNG

(Call Sign)

0396-EX-ST-2018

(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 Marine Corps personnel performance of a frequency-agile software-defined radio.

Station Locations

(1) Spring Lake, NC - NL 35-12-19; WL 78-57-34

Frequency Information

Spring Lake, NC - NL 35-12-19; WL 78-57-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-148 MHz	FX	14M0G2D	2.5 W (ERP)	0.01 %
150.05-161 MHz	FX	14M0G2D	2.5 W (ERP)	0.01 %
163-174 MHz	FX	14M0G2D	2.5 W (ERP)	0.01 %

This authorization effective April 01, 2018 and
will expire 3:00 A.M. EST June 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) Alion Science and Technology must notch out the following frequencies; (+ / - 12.5 kHz) - 153.740 MHz, 153.995 MHz, 156.525 MHz, 156.800 MHz, 158.985 MHz, 159.210 MHz, 159.435 MHz, 161.975 MHz, 162.025 MHz, 162.1625 MHz, 162.450 MHz, 162.475 MHz, 164.950 MHz, 166.2375 MHz, 166.375 MHz, 169.650 MHz, 169.8125 MHz, 170.750 MHz, 171.1625 MHz, 173.825 MHz.
- (3) Alion Science and Technology must obtain the consent of the paging service licensees in 152 MHz/158 MHz within 80 km of the test area.