

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

EXPERIMENTAL

(Nature of Service)

WS9XKX

(Call Sign)

XT FX MO

(Class of Station)

1112-EX-ST-2021

(File Number)

NAME Insitu

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:

Synthetic Aperture Radar (SAR) system will be tested indoors on ground at Bingen and will operated on a UAS at the Pendleton UAS Test range.

Station Locations

- (1) Bingen, WA - NL 45-42-23; WL 121-27-23
- (2) MOBILE: Pendleton, OR. 15,000 Feet Maximum Flight Level, within 50 km, centered around NL 45-41-21; WL 118-50-32

Frequency Information

Bingen, WA - NL 45-42-23; WL 121-27-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.7 GHz	FX	2G00F0N	193 W (ERP)	

This authorization effective October 15, 2021 and
will expire 3:00 A.M. EST April 16, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Special Conditions:

- (1) 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.
- (2) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (3) Prior to commencing any in the 17.3-17.4 GHz band, experimental licensee must notify licensees of DIRECTV Enterprises, LLC (Mr. Navid Motamed. Phone Number: 310-964-3589 E-Mail: nm704u@att.com and DirecTV/AT&T. Mr. Raquel Noriega Email: raquel.noriega@att.com), and NOVAVISION GROUP, INC. (Mr NORM LEVENTHAL. Phone Number: 202-955-3000 E-Mail: NORM.LEVENTHAL@HKLAW.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 pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test.
- (4) Prior to commencing any in the 17.3-17.4 GHz band, experimental licensee must notify licensees of DISH Operating L.L.C. (Blanket Earth Stations call sign: E140100. Phone Number: 202-463-3709 E-Mail: Alison.Minea@dish.com Attention: Alison Minea). 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 pattern, antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Insitu Operations Center at 509-637-4691.