

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XUC

(Call Sign)

1123-EX-ST-2020

(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:

The request is based on the need to test satellite L-Band module onboard air vehicle on ground to ensure electromagnetic compatibility (EMC).

Station Locations

- (1) Bingen, WA - NL 45-42-20; WL 121-27-30
- (2) Boardman, OR - NL 45-44-54; WL 119-48-13

Frequency Information

Bingen, WA - NL 45-42-20; WL 121-27-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1660.5 MHz	FX	117KD1W	60 W (ERP)	

This authorization effective September 01, 2020 and
will expire 3:00 A.M. EST March 01, 2021

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COMMUNICATIONS
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Frequency Information

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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) Stop Buzzer: Insitu Operations Action Center at 509-637-4691
- (4) Prior to commencing any operations in the 1626.5-1660.5 MHz frequency band, the applicant must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:

1) Name: Ligado Networks Subsidiary LLC Phone Number: 703-390-2795
Fax Number: 703-390-2778
E-Mail: maqbool@ligado.com
Attention: Mr. Maqbool Aliani

2) Name: Inmarsat plc Phone Number: 202-696-1524
Fax Number: 202-248-5177
E-Mail: donna.bethea-murphy@inmarsat.
Attention: Ms. Donna Bethea-Murphy

Name: William M. Wiltshire Phone Number: 202-730-1350
Company: Harris, Wiltshire & Grannis LLP Fax Number: 202-730-1301
E-Mail: wwiltshire@hwglaw.com
Attention: Mr. William M. Wiltshire
Relationship: Legal Counsel