

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

EXPERIMENTAL

(Nature of Service)

WL9XPN

(Call Sign)

XT FX MO

(Class of Station)

1005-EX-ST-2017

(File Number)

NAME The Boeing Company

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:

This requirement supports the development of the GetSAT MicroSAT antenna system over the air ground flight (mobile) test communicating with Inmarsat-5 F2.

Station Locations

- (1) Boardman (MORROW), OR - NL 45-44-54; WL 119-47-01; MOBILE: Flight Test, Bombing Range (R2501), Boardman, OR, within 2 km, centered around NL 45-44-54; WL 119-47-01

Frequency Information

Boardman (MORROW), OR - NL 45-44-54; WL 119-47-01; MOBILE: Flight Test, Bombing Range (R2501), Boardman, OR, wi

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.2-21.2 GHz	MO	8M00M1D	97724 W (ERP)	
30-31 GHz	MO	5M30M1D	15488 W (ERP)	

This authorization effective August 08, 2017 and
will expire 3:00 A.M. EST February 09, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



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 for Operation: Jacob Kuo cell (310) 227-6371 or Boeing 24 hour NOC hotline: (855) 556-1001 email: bcssnoc@boeing.com must be available during any testing or demonstration under this authorization.
- (4) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station.
- (5) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future satellite applications.
- (6) All Boeing testing granted shall be conducted IAW the configuration that was coordinated with AFSMO.
- (7) This STA is limited to 6 months and is subject to re-coordination with AF (Jimmy Nguyen, Email: jimmy.nguyen@us.af.mil).
- (8) As soon as possible, but no later than 3 business days prior to any planned testing, Boeing is required to provide Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil, AFSMO) and Travis J. Inghram (Email: travis.j.ingram.civ@mail.mil, ARSTRAT) with the planned testing date/duration and the stop buzzer POC for the testing. If planned testing conflicts with DoD operations, additional evaluations and/or restrictions will be required.