

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XML

(Call Sign)

0706-EX-ST-2020

(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 testing with a Ku/Ka satellite simulator.

Station Locations

- (1) Bingen (KLICKITAT), WA - NL 45-42-23; WL 121-27-02
- (2) Hillsboro (WASHINGTON), OR - NL 45-33-08; WL 122-54-40
- (3) Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38
- (4) The Dalles (WASCO), OR - NL 45-36-47; WL 121-12-10
- (5) Hood River (HOOD RIVER), OR - NL 45-42-41; WL 121-31-11

Frequency Information

Bingen (KLICKITAT), WA - NL 45-42-23; WL 121-27-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-12.75 GHz	FX	10M0G7D	0.2 mW (ERP)	
13.75-14.5 GHz	FX	10M0G7D	17000 W (ERP)	

This authorization effective June 01, 2020 and
will expire 3:00 A.M. EST December 02, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bingen (CLICKITAT), WA - NL 45-42-23; WL 121-27-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.75-14.5 GHz	FX	10M0G7D	1.2 MW (ERP)	
18.7-21.2 GHz	FX	10M0G7D	5 uW (ERP)	
29-31 GHz	FX	10M0G7D	39811 W (ERP)	
29-31 GHz	FX	10M0G7D	2.35 MW (ERP)	

Hillsboro (WASHINGTON), OR - NL 45-33-08; WL 122-54-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-12.75 GHz	FX	10M0G7D	0.2 mW (ERP)	
13.75-14.5 GHz	FX	10M0G7D	17000 W (ERP)	
13.75-14.5 GHz	FX	10M0G7D	1.2 MW (ERP)	
18.7-21.2 GHz	FX	10M0G7D	5 uW (ERP)	
29-31 GHz	FX	10M0G7D	39811 W (ERP)	

Frequency Information

Hillsboro (WASHINGTON), OR - NL 45-33-08; WL 122-54-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	10M0G7D	2.35 MW (ERP)	

Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-12.75 GHz	FX	10M0G7D	0.2 mW (ERP)	
13.75-14.5 GHz	FX	10M0G7D	17000 W (ERP)	
13.75-14.5 GHz	FX	10M0G7D	1.2 MW (ERP)	
18.7-21.2 GHz	FX	10M0G7D	5 uW (ERP)	
29-31 GHz	FX	10M0G7D	39811 W (ERP)	
29-31 GHz	FX	10M0G7D	2.35 MW (ERP)	

Frequency Information

The Dalles (WASCO), OR - NL 45-36-47; WL 121-12-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-12.75 GHz	FX	10M0G7D	0.2 mW (ERP)	
13.75-14.5 GHz	FX	10M0G7D	17000 W (ERP)	
13.75-14.5 GHz	FX	10M0G7D	1.2 MW (ERP)	
18.7-21.2 GHz	FX	10M0G7D	5 uW (ERP)	
29-31 GHz	FX	10M0G7D	39811 W (ERP)	
29-31 GHz	FX	10M0G7D	2.35 MW (ERP)	

Hood River (HOOD RIVER), OR - NL 45-42-41; WL 121-31-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-12.75 GHz	FX	10M0G7D	0.2 mW (ERP)	
13.75-14.5 GHz	FX	10M0G7D	17000 W (ERP)	
13.75-14.5 GHz	FX	10M0G7D	1.2 MW (ERP)	

Frequency Information

Hood River (HOOD RIVER), OR - NL 45-42-41; WL 121-31-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
18.7-21.2 GHz	FX	10M0G7D	5 uW (ERP)	
29-31 GHz	FX	10M0G7D	39811 W (ERP)	
29-31 GHz	FX	10M0G7D	2.35 MW (ERP)	

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Prior to testing in the 18.7-21.2 GHz and 30-31 GHz frequency bands, Boeing Company must provide Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil, AFSMO) with the stop buzzer POC.
- (4) Stop Buzzer, Ben Schreffler at 509-493-4691.
- (5) The applicant must coordinate with the Fixed Microwave Service licensees in each proposed location in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 29-31GHz band.
- (6) Prior to commencing any operations in the 14-14.5 GHz frequency bands, the applicant must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:

Licensee: NBC Telemundo License LLC
 ATTN: Margaret L Tobey
 Phone: 202-524-6401 Fax: 202-524-6411
 E-Mail: margaret.tobey@nbcuni.com
 Counsel: NBC TELEMUNDO LICENSE LLC
 Phone: 202-524-6401

1501 SW JEFFERSON STREET
 PORTLAND, OR 97201
 ATTN: Michele Tully
 Phone: 321-723-5395