

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XVT

(Call Sign)

0370-EX-ST-2021

(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 AVL 2.4m antenna system testing with EchoStar-9.

Station Locations

- (1) Hood River (HOOD RIVER), OR - NL 45-42-41; WL 121-31-11
- (2) Bingen (KLICKITAT), WA - NL 45-42-23; WL 121-27-02
- (3) Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38
- (4) Pendleton (UMATILLA), OR - NL 45-41-21; WL 118-50-32

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.8-30 GHz	FX	10M0G7D 600KG7D 20M0G7D	2.57 MW (ERP)	

This authorization effective April 05, 2021 and
will expire 3:00 A.M. EST September 30, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Pendleton (UMATILLA), OR - NL 45-41-21; WL 118-50-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.8-30 GHz	FX	10M0G7D 20M0G7D 600KG7D	2.57 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) Licensee must successfully coordinate with the Fixed Microwave Service licensees in each proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 29-30 GHz bands.

Special Conditions:

- (4) Licensee is authorized to conduct fixed ground tests on an experimental 2.4 meter AvL Technologies antenna for fixed operations at Bingen, WA, Hood River, Boardman, OR, and Pendleton, OR. The 2.4 meter antenna will transmit to Echostar-9 @ 121 W.L. satellite using the frequency band in the 29.8-30 GHz.
- (5) Point of communications: Echostar-9 @ 121 W.L. Ka-band geostationary orbit space stations (GSO) satellite (Call Sign S2179)