

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI9XPF

(Call Sign)

1721-EX-ST-2019

(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:

To support DNW system development, testing and demonstrations.

Station Locations

- (1) MOBILE: Flight level 50,000 ft AGL, Palm Dale, CA, within 300 km, centered around NL 34-38-11; WL 118-05-51
- (2) MOBILE: Flight level 50,000 ft AGL, Kent, WA, within 248 km, centered around NL 47-25-08; WL 122-15-11

Frequency Information

MOBILE: Flight level 50,000 ft AGL, Palm Dale, CA, within 300 km, centered around NL 34-38-11; WL 118-05-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21.4-21.84 GHz	MO	320MG2W	11481 W (ERP)	

This authorization effective December 09, 2019 and
will expire 3:00 A.M. EST June 10, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Flight level 50,000 ft AGL, Kent, WA, within 248 km, centered around NL 47-25-08; WL 122-15-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21.4-22 GHz	MO	320MG2W	11481 W (ERP)	

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) The Boeing Company must also comply with any and all restrictions that may be levied by WAFC.
- (4) Licensee must coordinate with the affected Fixed Microwave Service licensees prior to operation in 21.4-22 GHz band.
- (5) The Boeing Company must coordinate operations with the VLBA point of contact: Dan "Mert" Mertely; email: nrao-rfi@nrao.edu; phone: (575) 835-7128.
- (6) The Boeing Company coordination/deconfliction with DOD Western Area Frequency Coordinator, 760-939-6832, jamie.heaton@navy.mil, 24 hours prior to operations for and provide a current stop buzzer contact name and phone number in the event that interference is encountered.
- (7) The Boeing Company must not operate on the following frequencies:
21850 MHz (+/- 10 MHz)
21950 MHz (+/- 10 MHz)
22000 MHz (+/- 12.5 MHz)
22050 MHz (+/- 12.5 MHz)
- (8) Future STA requests to extend this authorization will not be considered.