

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI9XPF

(Call Sign)

0614-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:

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 (+/-)
21.4-22 GHz	MO	320MG2W	11481 W (ERP)	

This authorization effective June 21, 2017 and
will expire 3:00 A.M. EST December 05, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) The Boeing Company must notch out 22GHz at the Palm Dale, CA location.
- (4) Boeing must notch the following frequencies to protect Navy operations in the area.

21400 MHz	+/- 25 MHz
21480 MHz	+/- 16.9MHz
21525 MHz	+/- 16.9 MHz
21575 MHz	+/- 12.5 MHz
21700 MHz	+/- 25 MHz
21725 MHz	+/- 15 MHz
21750 MHz	+/- 16.9 MHz
21800 MHz	+/- 16.9 MHz
21825 MHz	+/- 24.85 MHz
21830 MHz	+/- 8.3 MHz
21875 MHz	+/- 24.85 MHz
21925 MHz	+/- 24.85 MHz
21975 MHz	+/- 24.85 MHz
22000 MHz	+/- 16.9 MHz

- (5) The Boeing Company must coordinate with the existing and future Fixed Microwave Service licensees in each proposed area in accordance with 47 CFR, Part 101.103(d).

Special Conditions:

- (6) All operations within R2508 complex must be coordinated, de-conflicted and approved by 412TW Edwards Spectrum Management Office (SMO). Please contact 412TW Edwards SMO at the numbers listed below before operating.

ORGANIZATIONAL: 412cs.spectrum.management@edwards.af.mil

DSN 527-4763

COMM (661) 277-4763

CELL (661) 810-8694

FAX (661) 277-8879

- (7) Boeing must not utilize the following frequencies +/- 11 MHz to protect Coast Guard operations along the Pacific coast: 21775 MHz and 21825 MHz.

- (8) The individual listed below is the stop buzzer point of contact and must be available any time testing is performed.

Darryl Price

714-372-5296 (Office)

714-392-0941 (Cell)

- (9) The Boeing Company must coordinate with Western Area Frequency Coordinator (WAFC), Mr. J. Heaton at (760) 939-6948 (Jamie.heaton@navy.mil) prior to the Palm Dale, California operation to mitigate harmful interference to assignments in the area.

- (10) The Boeing Company must also comply with any and all restrictions that may be levied by WAFC.