

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WJ9XIG

(Call Sign)

1342-EX-ST-2015

(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 248 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
- (3) MOBILE: Flight level 50,000 ft AGL, Moffet Airfield, CA, within 248 km, centered around NL 37-24-54; WL 122-02-54

Frequency Information

MOBILE: Flight level 50,000 ft AGL, Palm Dale, CA, within 248 km, centered around NL 34-38-11; WL 118-05-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.8-14.1 GHz	MO	300MG2W 40M0G2W	2259 W (ERP)	
14.6-15.1 GHz	MO	320MG2W	2259 W (ERP)	

This authorization effective February 01, 2016 and
will expire 3:00 A.M. EST July 31, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Flight level 50,000 ft AGL, Palm Dale, CA, within 248 km, centered around NL 34-38-11; WL 118-05-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.6-15.1 GHz	MO	40M0G2W	2259 W (ERP)	

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 (+/-)
13.8-14.1 GHz	MO	300MG2W 40M0G2W	2259 W (ERP)	
14.6-15.1 GHz	MO	320MG2W 40M0G2W	2259 W (ERP)	

MOBILE: Flight level 50,000 ft AGL, Moffet Airfield, CA, within 248 km, centered around NL 37-24-54; WL 122-02-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.8-14.1 GHz	MO	300MG2W 40M0G2W	2259 W (ERP)	
14.6-15.1 GHz	MO	320MG2W 40M0G2W	2259 W (ERP)	

Special Conditions:

- (1) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (3) 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.
- (4) Stop Buzzer, Dave Bryant at 206-852-1353 must be available during all phases of transmission.
- (5) Boeing Company must take all steps possible to protect the NASA earth station operating in the 14.628 GHz -14.779 GHz band located in Pasadena, CA.
- (6) Boeing Company must coordinate all operations in IFDS via the WAFC.
WAFC contact info:
DOD Western Area Frequency Coordinator (WAFC) Mr. Jamie Heaton
130 Easy Rd STOP 3008 Bldg. 31454, Room 230 China Lake, CA. 93555-6109
NIPR: jamie.heaton@navy.mil
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- (7) Boeing Company must coordinate with Navy Marine Corps Spectrum Office North West (NMCSO NW), Mr. Russ Potter at (360) 396-7075 (russell.potter@navy.mil prior to the Kent, WA operations to mitigate harmful interference to Navy and Marine Corps assignments. The Boeing Company must also comply with any and all restrictions that may be levied by NMCSO NW.