

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

EXPERIMENTAL

(Nature of Service)

WH9XXM

(Call Sign)

XT MO

(Class of Station)

0835-EX-ST-2014

(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: Area bounded by 37-12-00N/118-35-00W; 37-12-00N/116-52-00W; 32-24-00N/119-05-00W; 33-42-00N/109-44-00W; 33-00-00N/109-44-00W, West Coast Water, US

Frequency Information

MOBILE: Area bounded by 37-12-00N/118-35-00W; 37-12-00N/116-52-00W; 32-24-00N/119-05-00W; 33-42-00N/109-44-00W; 33-00-00N/109-44-00W, West Coast Water, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.6-15.1 GHz	MO	320MG2W	11816 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.

This authorization effective October 15, 2014 and
will expire 3:00 A.M. EST April 16, 2015

**FEDERAL
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COMMISSION**



Special Conditions:

- (3) Boeing must utilize the 14714.5 - 15136.5 MHz band for mobile operations.
- (4) Due to interference into NASA TDRS space-to-space links NASA requires that transmissions be disabled, in the air-to-air operation mode, when the transmitting antenna is pointed +/- 17 degrees in the north-south direction of the geostationary arc anywhere between 24 W-79 W and between 147 W-191 W.
- (5) The Boeing Company must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California operations to mitigate harmful interference current operations. The Boeing Company must also comply with any and all restrictions that may be levied by WAFC.
- (6) The designated point-of-contact to terminate the system if interference occurs is Craig Hadlock (661) 265-3330.
- (7) The Boeing Company must coordinate with the DoD Area Frequency Coordinator Arizona (AFC-AZ), Mr. Mark Rossow at (520) 538-6423 prior to any Arizona operations to mitigate harmful interference current operations. Coordination with DoD AFC AZ does not ensure use for any specific timeframe due to heavy use of frequencies within this band for daily UAS training activities as well as testing within Arizona test ranges. Due to the high power levels requested for this STA the Boeing Company must comply with any and all restrictions that may be imposed by AFC-AZ to ensure that safety of flight operations are not negatively impacted."
- (8) This license SUPERSEDES the previous issued license with the same callsign and file number: adding the special condition.