

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WE2XWJ

(Call Sign)

XT MO

(Class of Station)

0466-EX-PL-2008

(File Number)

NAME The Boeing Company

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(l) of the Commission's Rules

Station Locations

- (1) MOBILE: Airborne up to 10,000 feet flight level, Twentynine Palms, CA, within 35 km, centered around NL 34-28-11; WL 116-05-01

Frequency Information

MOBILE: Airborne up to 10,000 feet flight level, Twentynine Palms, CA, within 35 km, centered around NL 34-28-11; WL 116-05-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2357.5 MHz	MO	16M0F1W	1.22 W (ERP)	
2364.5 MHz	MO	16M0F1W	1.22 W (ERP)	
2370.5 MHz	MO	16M0F1W	1.22 W (ERP)	
2411 MHz	MO	16M0F1W	1.22 W (ERP)	

This authorization effective January 23, 2009 and
will expire 3:00 A.M. EST February 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2434 MHz	MO	16M0F1W	1.22 W (ERP)	
2453 MHz	MO	16M0F1W	1.22 W (ERP)	
2463 MHz	MO	16M0F1W	1.22 W (ERP)	
2473 MHz	MO	16M0F1W	1.22 W (ERP)	
2486 MHz	MO	16M0F1W	1.22 W (ERP)	
2490 MHz	MO	16M0F1W	1.22 W (ERP)	
2495 MHz	MO	16M0F1W	1.22 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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (4) Scheduling required for each usage with Western Area Frequency Coordinator, Telephone (805) 989-1003 or (805) 989-7985, prior to operation.

Special Conditions:

- (5) Licensee should note that some frequencies are exclusive non-government and should take note that permanent assignments in the United States may be difficult to obtain.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US Marine Corps contract number N00019-08-D-0013. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Mark Laville (206) 854-9178.
- (8) Licensee must get consent from Broadband Radio Service 1 (BRS1) and Education Broadband Service (EBS) licensees prior to operating on the requested frequencies.