

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

EXPERIMENTAL
(Nature of Service)

WE2XAU
(Call Sign)

XT MO
(Class of Station)

0069-EX-RR-2011
(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(a) of the Commission's Rules

Station Locations

- (1) MOBILE: Berkeley, MO, within 1 km, centered around NL 38-45-14; WL 90-21-00
- (2) MOBILE: Berkeley, MO, within 1 km, centered around NL 38-45-05; WL 90-21-18
- (3) MOBILE: Hazelwood, MO, within 1 km, centered around NL 38-46-05; WL 90-22-17
- (4) MOBILE: Vandalia, IL, within 3 km, centered around NL 38-59-30; WL 89-09-58
- (5) MOBILE: Ft. Leonard Wood, MO, within 3 km, centered around NL 37-44-30; WL 92-08-27

Frequency Information

MOBILE: Berkeley, MO, within 1 km, centered around NL 38-45-14; WL 90-21-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	1K00A1D	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	
219.105 MHz	MO	1K00A1D	1 mW (ERP)	

This authorization effective May 01, 2011 and
will expire 3:00 A.M. EST May 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Berkeley, MO, within 1 km, centered around NL 38-45-14; WL 90-21-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.145 MHz	MO	1K00A1D	1 mW (ERP)	
902-928 MHz	MO	20M0G7D	2 W (ERP)	
2434 MHz	MO	20M0F3F	1 W (ERP)	
2473 MHz	MO	20M0F3F	1 W (ERP)	

MOBILE: Berkeley, MO, within 1 km, centered around NL 38-45-05; WL 90-21-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	1K00A1D	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	
219.105 MHz	MO	1K00A1D	1 mW (ERP)	
219.145 MHz	MO	1K00A1D	1 mW (ERP)	
902-928 MHz	MO	20M0G7D	2 W (ERP)	

Frequency Information

MOBILE: Berkeley, MO, within 1 km, centered around NL 38-45-05; WL 90-21-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2434 MHz	MO	20M0F3F	1 W (ERP)	
2473 MHz	MO	20M0F3F	1 W (ERP)	

MOBILE: Hazelwood, MO, within 1 km, centered around NL 38-46-05; WL 90-22-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	1K00A1D	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	
219.105 MHz	MO	1K00A1D	1 mW (ERP)	
219.145 MHz	MO	1K00A1D	1 mW (ERP)	
902-928 MHz	MO	20M0G7D	2 W (ERP)	
2434 MHz	MO	20M0F3F	1 W (ERP)	
2473 MHz	MO	20M0F3F	1 W (ERP)	

Frequency Information

MOBILE: Vandalia, IL, within 3 km, centered around NL 38-59-30; WL 89-09-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	1K00A1D	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	
219.105 MHz	MO	1K00A1D	1 mW (ERP)	
219.145 MHz	MO	1K00A1D	1 mW (ERP)	
902-928 MHz	MO	20M0G7D	2 W (ERP)	
2434 MHz	MO	20M0F3F	1 W (ERP)	
2473 MHz	MO	20M0F3F	1 W (ERP)	

MOBILE: Ft. Leonard Wood, MO, within 3 km, centered around NL 37-44-30; WL 92-08-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	1K00A1D	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	

Frequency Information

MOBILE: Ft. Leonard Wood, MO, within 3 km, centered around NL 37-44-30; WL 92-08-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.105 MHz	MO	1K00A1D	1 mW (ERP)	
219.145 MHz	MO	1K00A1D	1 mW (ERP)	
902-928 MHz	MO	20M0G7D	2 W (ERP)	
2434 MHz	MO	20M0F3F	1 W (ERP)	
2473 MHz	MO	20M0F3F	1 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Operation is subject to prior coordination with existing Fixed Microwave Service (Part 101) licensees in the 2450-2490 MHz band.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Michael R. Abraham at 314-494-0544, Carol E. Wilke at 314-705-0691 and Paul Buhse at 314-662-3039.