

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

EXPERIMENTAL
(Nature of Service)

WE2XOL
(Call Sign)

XT MO
(Class of Station)

0299-EX-PL-2007
(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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: St. Charles County Smartt Field, within 1 km, centered around NL 38-55-34; WL 90-25-23
- (2) MOBILE: Near buildings 73-105 and 73-100, within 1 km, centered around NL 38-45-18; WL 90-20-49
- (3) MOBILE: Washington University in St. Louis Campus, within 1 km, centered around NL 38-38-55; WL 90-18-34
- (4) MOBILE: Indiana National Guard Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-58; WL 85-31-43

Frequency Information

MOBILE: St. Charles County Smartt Field, within 1 km, centered around NL 38-55-34; WL 90-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
476-482 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
506-512 MHz	MO	6M00F1D 6M00G7D	10 W (ERP)	

This authorization effective February 06, 2008 and
will expire 3:00 A.M. EST February 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: St. Charles County Smartt Field, within 1 km, centered around NL 38-55-34; WL 90-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
506-512 MHz	MO	6M00G7F 6M00D7W	10 W (ERP)	
536-542 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
578-584 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
602-608 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
656-662 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
710-716 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	

Frequency Information

MOBILE: St. Charles County Smartt Field, within 1 km, centered around NL 38-55-34; WL 90-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
734-740 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
740-746 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
752-758 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	

MOBILE: Near buildings 73-105 and 73-100, within 1 km, centered around NL 38-45-18; WL 90-20-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
476-482 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
506-512 MHz	MO	6M00F1D 6M00G7D 6M00G7F	10 W (ERP)	

Frequency Information

MOBILE: Near buildings 73-105 and 73-100, within 1 km, centered around NL 38-45-18; WL 90-20-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
506-512 MHz	MO	6M00D7W	10 W (ERP)	
536-542 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
578-584 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
602-608 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
656-662 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
704-710 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	

Frequency Information

MOBILE: Near buildings 73-105 and 73-100, within 1 km, centered around NL 38-45-18; WL 90-20-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
710-716 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
734-740 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
740-746 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
752-758 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	

MOBILE: Washington University in St. Louis Campus, within 1 km, centered around NL 38-38-55; WL 90-18-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
476-482 MHz	MO	6M00F1D 6M00G7D 6M00G7F	10 W (ERP)	

Frequency Information

MOBILE: Washington University in St. Louis Campus, within 1 km, centered around NL 38-38-55; WL 90-18-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
476-482 MHz	MO	6M00D7W	10 W (ERP)	
506-512 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
536-542 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
578-584 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
602-608 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
656-662 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	

Frequency Information

MOBILE: Washington University in St. Louis Campus, within 1 km, centered around NL 38-38-55; WL 90-18-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-710 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
710-716 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
734-740 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
740-746 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
752-758 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	

Frequency Information

MOBILE: Indiana National Guard Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-58; WL 85-31-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
506-512 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
602-608 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
626-632 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
656-662 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
686-692 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
704-710 MHz	MO	6M00D7W 6M00F1D 6M00G7D	10 W (ERP)	

Frequency Information

MOBILE: Indiana National Guard Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-58; WL 85-31-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-710 MHz	MO	6M00G7F	10 W (ERP)	
728-734 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
740-746 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 W (ERP)	
752-758 MHz	MO	6M00F1D 6M00G7D 6M00G7F 6M00D7W	10 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) 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. Further renewal of this authorization is subject to prior coordination with SBE.
- (5) The designated point-of-contacts to terminate transmissions if interference occurs are: James Bornholdt (636) 458-9380, Anne Haddad (314) 232-0233.