

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

EXPERIMENTAL
(Nature of Service)

WE2XQV
(Call Sign)

XT FX MO
(Class of Station)

0149-EX-RR-2012
(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) ST Charles, MO - NL 38-41-52; WL 90-47-16; MOBILE: August A. Busch Memorial Wildlife Area, ST Charles, MO, within 10 km, centered around NL 38-41-52; WL 90-47-16
- (2) Elverson, PA - NL 40-10-30; WL 75-47-49; MOBILE: PA State Gamelands Site #43, Elverson, PA, within 10 km, centered around NL 40-10-30; WL 75-47-49
- (3) Bear, DE - NL 39-33-35; WL 75-43-07; MOBILE: Lums Pond State Park, Bear, DE, within 5 km, centered around NL 39-33-35; WL 75-43-07

Frequency Information

ST Charles, MO - NL 38-41-52; WL 90-47-16; MOBILE: August A. Busch Memorial Wildlife Area, ST Charles, MO, within 10 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	5M00G1W 10M0G1W 20M0G1W	1.53 W (ERP)	
420-450 MHz	FX	5M00G1W 10M0G1W	1.53 W (ERP)	

This authorization effective August 01, 2012 and
will expire 3:00 A.M. EST August 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

ST Charles, MO - NL 38-41-52; WL 90-47-16; MOBILE: August A. Busch Memorial Wildlife Area, ST Charles, MO, within 10 I

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	FX	20M0G1W	1.53 W (ERP)	
2400-2483.5 MHz	MO	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
2400-2483.5 MHz	FX	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
4940-4990 MHz	FX	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
4940-4990 MHz	MO	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	

Elverson, PA - NL 40-10-30; WL 75-47-49; MOBILE: PA State Gamelands Site #43, Elverson, PA, within 10 km, centered arc

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	5M00G1W 10M0G1W 20M0G1W	1.53 W (ERP)	

Frequency Information

Elverson, PA - NL 40-10-30; WL 75-47-49; MOBILE: PA State Gamelands Site #43, Elverson, PA, within 10 km, centered arc

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	FX	5M00G1W 10M0G1W 20M0G1W	1.53 W (ERP)	
2400-2483.5 MHz	MO	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
2400-2483.5 MHz	FX	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
4940-4990 MHz	FX	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
4940-4990 MHz	MO	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	

Bear, DE - NL 39-33-35; WL 75-43-07; MOBILE: Lums Pond State Park, Bear, DE, within 5 km, centered around NL 39-33-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	FX	5M00G1W 10M0G1W	1.53 W (ERP)	

Frequency Information

Bear, DE - NL 39-33-35; WL 75-43-07; MOBILE: Lums Pond State Park, Bear, DE, within 5 km, centered around NL 39-33-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	FX	20M0G1W	1.53 W (ERP)	
420-450 MHz	MO	5M00G1W 10M0G1W 20M0G1W	1.53 W (ERP)	
2400-2483.5 MHz	FX	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
2400-2483.5 MHz	MO	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
4940-4990 MHz	FX	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	
4940-4990 MHz	MO	5M00G1W 10M0G1W 20M0G1W	919 mW (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Director of Frequency Coordination; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (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) 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) 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.
- (6) Stop Buzzers, Joe Dickson (215) 478-3410 and Vince Mancuso (610) 772-6938 shall be available during testing to cease operations in the event of any interference.