

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XGT

(Call Sign)

0447-EX-PL-2014

(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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Ft. Leonard Wood, MO, within 32 km, centered around NL 37-44-30; WL 92-08-30
- (2) MOBILE: Edwards AFB, CA, within 48 km, centered around NL 34-49-30; WL 117-49-22
- (3) MOBILE: Victorville, CA, within 48 km, centered around NL 34-35-16; WL 117-22-31
- (4) MOBILE: St. Louis, MO, within 32 km, centered around NL 38-45-03; WL 90-20-43
- (5) MOBILE: Pacific, MO, within 32 km, centered around NL 38-29-07; WL 90-43-56
- (6) MOBILE: Warrenton, MO, within 32 km, centered around NL 38-44-56; WL 91-06-54
- (7) MOBILE: St. Charles, MO, within 32 km, centered around NL 38-55-35; WL 90-25-23
- (8) MOBILE: Huntington Beach, CA, within 20 km, centered around NL 33-44-53; WL 118-02-14
- (9) MOBILE: Vandalia, IL, within 32 km, centered around NL 38-59-30; WL 89-10-00
- (10) MOBILE: Valmeyer, IL, within 32 km, centered around NL 38-18-11; WL 90-18-16

Frequency Information

MOBILE: Ft. Leonard Wood, MO, within 32 km, centered around NL 37-44-30; WL 92-08-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

This authorization effective July 23, 2014 and
will expire 3:00 A.M. EST August 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Edwards AFB, CA, within 48 km, centered around NL 34-49-30; WL 117-49-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Victorville, CA, within 48 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: St. Louis, MO, within 32 km, centered around NL 38-45-03; WL 90-20-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Pacific, MO, within 32 km, centered around NL 38-29-07; WL 90-43-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

Frequency Information

MOBILE: Warrenton, MO, within 32 km, centered around NL 38-44-56; WL 91-06-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: St. Charles, MO, within 32 km, centered around NL 38-55-35; WL 90-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Huntington Beach, CA, within 20 km, centered around NL 33-44-53; WL 118-02-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Vandalia, IL, within 32 km, centered around NL 38-59-30; WL 89-10-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

Frequency Information

MOBILE: Valmeyer, IL, within 32 km, centered around NL 38-18-11; WL 90-18-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-12 GHz	MO	150MW3N	3000 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee must coordinate with all current and pending earth stations via commercial spectrum coordinator knowledgeable of earth station protection criteria is required prior to operating.
- (4) The designated point-of-contact to terminate the systems is Jill Whealon 714-785-2357, Mike Martin 714-896-3384, and Nick Schrodt 714-308-5368.