

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WE2XCF

(Call Sign)

0142-EX-RR-2009

(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(d g) of the Commission's Rules

Station Locations

- (1) MOBILE: Southern California Coastal Waters, CA
- (2) MOBILE: Edwards Air Force Base, CA, within 48 km, centered around NL 34-49-30; WL 117-49-22
- (3) MOBILE: Gulf of Mexico Coastal Waters, TX
- (4) MOBILE: Victorville Airport, Victorville, CA, within 48 km, centered around NL 34-35-16; WL 117-22-31
- (5) MOBILE: Boeing Facility Houston, Houston, TX, within 48 km, centered around NL 29-36-22; WL 95-08-34
- (6) MOBILE: The Boeing Facility Long Beach, Long Beach, CA, within 10 km, centered around NL 33-49-38; WL 118-09-05
- (7) MOBILE: Vandalia Airport, Vandalia, IL, within 32 km, centered around NL 38-59-30; WL 89-10-00
- (8) MOBILE: Fort Leonard Wood, MO, within 32 km, centered around NL 37-44-30; WL 92-08-30
- (9) MOBILE: ST Charles, MO, within 32 km, centered around NL 38-55-35; WL 90-25-23

Frequency Information

MOBILE: Southern California Coastal Waters, CA

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

MOBILE: Gulf of Mexico Coastal Waters, TX

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

MOBILE: Boeing Facility Houston, Houston, TX, within 48 km, centered around NL 29-36-22; WL 95-08-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

Frequency Information

MOBILE: The Boeing Facility Long Beach, Long Beach, CA, within 10 km, centered around NL 33-49-38; WL 118-09-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

MOBILE: Fort 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 (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

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 (+/-)
16.2-17.3 GHz	MO	1G10W3N	7943 W (ERP)	0.001 %

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) The designated point-of-contact to terminate transmissions if interference occurs are Mr. Ted Johnson at (314) 545-6087 or Mr. Herb Johnson at (414) 777-7974.

Special Conditions:

- (4) Operations at the California locations shall be coordinated prior to activation and, as appropriate, possible scheduling with the Western Area Frequency Coordinator at 760-939-6948.
- (5) Operations at the Edwards AF Base shall be coordinated prior to activation and, as appropriate, possible scheduling with the AF Frequency Coordinator at 661-277-4763.
- (6) Operations in California area is subject to coordination with the area frequency coordinator located at Nellis AFB, Nevada, Utah West of 111 W and Idaho South of 44 N; and also is subject to prior coordination frequency manager, Air Force Space and Missile technical Center, Vandenberg AFB, California.
- (7) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to Air Force and Navy operations assignment.