

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

EXPERIMENTAL
(Nature of Service)

WF2XND
(Call Sign)

XT FX MO
(Class of Station)

0202-EX-ML-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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Kent Space Center, Kent, WA, within 30 km, centered around NL 47-25-07; WL 122-15-11
- (2) Kent, WA - NL 47-25-08; WL 122-15-14
- (3) Huntington Beach, CA - NL 33-44-48; WL 118-02-07
- (4) Baltimore (BALTIMORE), MD - NL 39-17-11; WL 76-36-53
- (5) Boardman, OR - NL 45-44-54; WL 119-48-13
- (6) Camp Roberts (SAN LUIS OBISPO), CA - NL 35-46-48; WL 120-47-12
- (7) El Paso (EL PASO), TX - NL 31-46-34; WL 106-24-42; MOBILE: El Paso, TX, within 5 km, centered around NL 31-46-34; WL 106-24-42

Frequency Information

MOBILE: Kent Space Center, Kent, WA, within 30 km, centered around NL 47-25-07; WL 122-15-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	MO		80 kW (ERP)	
		18M0G7D		
		20M0G7D		
		22M0G7D		
		24M3G7D		
		26M0G7D		
		28M0G7D		
		29M5G7D		

This authorization effective November 21, 2014 and
will expire 3:00 A.M. EST December 12, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Kent Space Center, Kent, WA, within 30 km, centered around NL 47-25-07; WL 122-15-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	MO	30M0G7D 32M4G7D 34M0G7D 36M0G7D 38M0G7D 39M0G7D	80 kW (ERP)	

Kent, WA - NL 47-25-08; WL 122-15-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	18M0G7D 20M0G7D 22M0G7D 24M3G7D 26M0G7D 28M0G7D 29M5G7D 30M0G7D 32M4G7D 34M0G7D 36M0G7D 38M0G7D 39M0G7D	80 kW (ERP)	

Huntington Beach, CA - NL 33-44-48; WL 118-02-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	18M0G7D 20M0G7D	80 kW (ERP)	

Frequency Information

Huntington Beach, CA - NL 33-44-48; WL 118-02-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	22M0G7D	80 kW (ERP)	
		24M3G7D		
		26M0G7D		
		28M0G7D		
		29M5G7D		
		30M0G7D		
		32M4G7D		
		34M0G7D		
		36M0G7D		
		38M0G7D		
		39M0G7D		

Baltimore (BALTIMORE), MD - NL 39-17-11; WL 76-36-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	18M0G7D	80 kW (ERP)	
		20M0G7D		
		22M0G7D		
		24M3G7D		
		26M0G7D		
		28M0G7D		
		29M5G7D		
		30M0G7D		
		32M4G7D		
		34M0G7D		
		36M0G7D		
		38M0G7D		
		39M0G7D		

Frequency Information

Boardman, OR - NL 45-44-54; WL 119-48-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	18M0G7D	80 kW (ERP)	
		20M0G7D		
		22M0G7D		
		24M3G7D		
		26M0G7D		
		28M0G7D		
		29M5G7D		
		30M0G7D		
		32M4G7D		
		34M0G7D		
		36M0G7D		
		38M0G7D		
		39M0G7D		

Camp Roberts (SAN LUIS OBISPO), CA - NL 35-46-48; WL 120-47-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	20M0G7D	80 kW (ERP)	
		18M0G7D		
		22M0G7D		
		24M3G7D		
		26M0G7D		
		28M0G7D		
		29M5G7D		
		30M0G7D		
		32M4G7D		
		36M0G7D		
		38M0G7D		
		39M0G7D		

Frequency Information

El Paso (EL PASO), TX - NL 31-46-34; WL 106-24-42; MOBILE: El Paso, TX, within 5 km, centered around NL 31-46-34; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	FX	20M0G7D	80 kW (ERP)	
		18M0G7D		
		22M0G7D		
		24M3G7D		
		26M0G7D		
		28M0G7D		
		29M5G7D		
		30M0G7D		
		32M4G7D		
		36M0G7D		
		38M0G7D		
		39M0G7D		

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) POINT-OF-COMMUNICATIONS: AMC-15, AMC-16, GALAXY 28, ESCHOSTAR 9 and WGS.
- (4) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Steven L Harmon at 206-769-5606 cell/alt 253-657-8681 and David R Bryant at 206-852-1353 cell/alt 253-657-8394.
- (6) Operation is subject to prior coordination with existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).