

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

EXPERIMENTAL
(Nature of Service)

WG2XJO
(Call Sign)

XT MO
(Class of Station)

0062-EX-ML-2013
(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: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26
- (2) MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency Information

MOBILE: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
138.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D	8 W (ERP)	

This authorization effective August 14, 2013 and
will expire 3:00 A.M. EST November 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.625 MHz	MO	210KF3D	8 W (ERP)	
139 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
139.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
139.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
140.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
141.25 MHz	MO	75K0F1B 75K0F1D 199KF1D	8 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
141.25 MHz	MO	105KF3D 210KF3D	8 W (ERP)	
141.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
142 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
148.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
149.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
149.5 MHz	MO	75K0F1B 75K0F1D	8 W (ERP)	

Frequency Information

MOBILE: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
149.5 MHz	MO	199KF1D 105KF3D 210KF3D	8 W (ERP)	
151 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
151.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
151.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
152.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
152.5 MHz	MO	75K0F1B	8 W (ERP)	

Frequency Information

MOBILE: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.5 MHz	MO	75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
152.875 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
153.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
153.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
154 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
154.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
155.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
155.5 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
155.875 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
156.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
159.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
159.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
160 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
160.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Washington State Coastal Waters, WA, within 187 km, centered around NL 47-00-00; WL 127-22-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
160.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
161.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
138.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
139 MHz	MO	75K0F1B	8 W (ERP)	

Frequency Information

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
139 MHz	MO	75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
139.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
139.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
140.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
141.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
141.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
142 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
148.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
149.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
149.5 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
151.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
151.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
152.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
152.5 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.875 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
153.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
153.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
154 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
154.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
155.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
155.5 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
155.875 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
156.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
159.25 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
159.625 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
160 MHz	MO	210KF3D 75K0F1B 75K0F1D 199KF1D 105KF3D	8 W (ERP)	
160.375 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	
160.75 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 W (ERP)	

Frequency Information

MOBILE: Area Bounded by 45N 126W; 45N 124W; 41N 124W; 41N 127W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
161.125 MHz	MO	75K0F1B 75K0F1D 199KF1D 105KF3D 210KF3D	8 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) The designated point-of-contact to terminate the systems if having interference is Michael Ladd (206) 544-4699.
- (4) Operation is NOT PERMITTED using frequency bands 144-148 MHz and 167.5-171.625 MHz.
- (5) Licensee must coordinate with the local Society Broadband Engineer frequency coordinator prior to operation in 152.875-154 MHz and 159.25-161.125 MHz.