

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

EXPERIMENTAL

(Nature of Service)

WD2XKH

(Call Sign)

XD MO

(Class of Station)

0133-EX-PL-2004

(File Number)

NAME Ford Motor Co.

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: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32
- (2) MOBILE: Ford Motor Co. Dearborn Proving Grounds, within 3 km, centered around NL 42-17-54; WL 83-13-04

Frequency Information

MOBILE: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.8-2 MHz	MO	N0N A1A 6K00A3E 2K70J3E 2K20J2D	800 W (Output Power)	
3.5-3.75 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	

This authorization effective June 01, 2005 and
will expire 3:00 A.M. EST January 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.75-4 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
5.3305 MHz	MO	N0N 2K70J3E	100 W (Output Power)	
5.4035 MHz	MO	N0N 2K70J3E	100 W (Output Power)	
7-7.15 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
7.15-7.3 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
10.1-10.15 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
14-14.15 MHz	MO	N0N A1A	800 W (Output Power)	

Frequency Information

MOBILE: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.15 MHz	MO	2K20J2D	800 W (Output Power)	
14.15-14.35 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
18.068-18.11 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
18.11-18.168 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
21-21.2 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
21.2-21.45 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
24.89-24.9 MHz	MO	N0N A1A	800 W (Output Power)	

Frequency Information

MOBILE: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.89-24.9 MHz	MO	2K20J2D	800 W (Output Power)	
26.965-27.405 MHz	MO	N0N 6K00A3E 2K70J3E	800 W (Output Power)	
28-28.3 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
28.3-29.7 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
30.56-32 MHz	MO	N0N	200 W (Output Power)	
33-34 MHz	MO	N0N	200 W (Output Power)	
35-36 MHz	MO	N0N	200 W (Output Power)	
37-37.5 MHz	MO	N0N	200 W (Output Power)	

Frequency Information

MOBILE: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
39-40 MHz	MO	N0N	200 W (Output Power)	
42.46-46.6 MHz	MO	N0N	200 W (Output Power)	
47-49.6 MHz	MO	N0N	200 W (Output Power)	
50.1-54 MHz	MO	N0N 6K00A3E 2K70J3E 2K20J2D	300 W (Output Power)	
144.1-148 MHz	MO	N0N 6K00A3E 2K70J3E 2K20J2D	300 W (Output Power)	
150.8-156.2475 MHz	MO	N0N	200 W (Output Power)	
157.1875-173.4 MHz	MO	N0N	200 W (Output Power)	
220-222 MHz	MO	N0N	100 W (Output Power)	
222-224.975 MHz	MO	N0N 6K00A3E	100 W (Output Power)	

Frequency Information

MOBILE: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
222-224.975 MHz	MO	2K70J3E 2K20J2D	100 W (Output Power)	
420-450 MHz	MO	N0N 6K00A3E 2K70J3E 2K20J2D	800 W (Output Power)	
450-512 MHz	MO	N0N	100 W (Output Power)	
806-824 MHz	MO	N0N	100 W (Output Power)	
806-824 MHz	MO	20K0P0N	12 W (Output Power)	
824-849 MHz	MO	N0N 20K0P0N	2.4 W (Output Power)	
896-901 MHz	MO	N0N	100 W (Output Power)	
902-928 MHz	MO	N0N 6K00A3E 2K70J3E 2K20J2D	100 W (Output Power)	

Frequency Information

MOBILE: Ford Motor Co. Michigan Proving Grounds, within 5 km, centered around NL 42-50-37; WL 83-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1240-1300 MHz	MO	N0N 6K00A3E 2K70J3E 2K20J2D	100 W (Output Power)	
1850-1910 MHz	MO	N0N 20K0P0N	8 W (Output Power)	

MOBILE: Ford Motor Co. Dearborn Proving Grounds, within 3 km, centered around NL 42-17-54; WL 83-13-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.8-2 MHz	MO	A1A N0N 2K20J2D 2K70J3E 6K00A3E	800 W (Output Power)	
3.5-3.75 MHz	MO	A1A N0N 2K20J2D	800 W (Output Power)	
3.75-4 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	

Frequency Information

MOBILE: Ford Motor Co. Dearborn Proving Grounds, within 3 km, centered around NL 42-17-54; WL 83-13-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.3305 MHz	MO	N0N 2K70J3E	100 W (Output Power)	
5.4035 MHz	MO	N0N 2K70J3E	100 W (Output Power)	
7-7.15 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
7.15-7.3 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
10.1-10.15 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
14-14.15 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
14.15-14.35 MHz	MO	N0N A1A 6K00A3E	800 W (Output Power)	

Frequency Information

MOBILE: Ford Motor Co. Dearborn Proving Grounds, within 3 km, centered around NL 42-17-54; WL 83-13-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.15-14.35 MHz	MO	2K70J3E	800 W (Output Power)	
18.068-18.11 MHz	MO	N0N A1A 2K20J2D	800 W (Output Power)	
18.11-18.168 MHz	MO	N0N A1A 6K00A3E 2K70J3E	800 W (Output Power)	
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35-36 MHz	MO	N0N	200 W (Output Power)	
37-37.5 MHz	MO	N0N	200 W (Output Power)	
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896-901 MHz	MO	N0N	100 W (Output Power)	
902-928 MHz	MO	N0N 2K20J2D 2K70J3E 6K00A3E	100 W (Output Power)	
1240-1300 MHz	MO	N0N 6K00A3E 2K70J3E 2K20J2D	100 W (Output Power)	
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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO	20K0P0N	8 W (Output Power)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Great Lakes Coordinator, Des Plaines, IL. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Great Lakes Coordinator, Des Plaines, IL, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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.
- (5) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (6) 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.
- (7) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (8) Operation on Commercial Mobile Radio Services (CMRS) frequencies requires consent of CMRS licensees to avoid interference.