

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WQ2XPE

(Call Sign)

0436-EX-CN-2026

(File Number)

NAME Deere & Company (John Deere)

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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Fargo, North Dakota (Cass County), within 5 km, centered around NL 46-53-17; WL 96-48-30
- (2) MOBILE: Ankeny, Iowa (Polk County), within 4 km, centered around NL 41-43-47; WL 93-36-42
- (3) MOBILE: Ames, Iowa (Story County), within 50 km, centered around NL 41-01-34; WL 93-37-57
- (4) MOBILE: Ottumwa, Iowa (Wapello County), within 50 km, centered around NL 41-02-05; WL 92-24-14
- (5) MOBILE: Davis, Iowa (Davis County), within 50 km, centered around NL 40-45-58; WL 92-25-06
- (6) MOBILE: Buckeye, Arizona (Maricopa County), within 50 km, centered around NL 33-30-42; WL 112-39-03
- (7) MOBILE: Casa Grande, Arizona (Pinal County), within 50 km, centered around NL 32-54-43; WL 111-47-51
- (8) MOBILE: Yuma, Arizona (Yuma County), within 50 km, centered around NL 32-40-08; WL 114-37-41
- (9) MOBILE: Lake City, Arkansas (Craighead County), within 50 km, centered around NL 35-49-08; WL 90-27-01
- (10) MOBILE: McGehee, Arkansas (Desha, County), within 50 km, centered around NL 33-37-18; WL 91-23-48
- (11) MOBILE: Los Banos, California (Merced County), within 50 km, centered around NL 37-03-52; WL 120-50-25
- (12) MOBILE: Sebring, Florida (Highlands County), centered around NL 27-27-40; WL 81-27-42
- (13) MOBILE: Dillon, Montana (Beaverhead County), within 50 km, centered around NL 45-13-07; WL 112-38-01

This authorization effective July 14, 2026 and
will expire 3:00 A.M. EST July 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Station Locations

- (14) MOBILE: Taft, Texas (San Patricio County), within 50 km, centered around NL 27-58-45; WL 97-23-38
- (15) MOBILE: Cameron, Texas (Milam County), within 50 km, centered around NL 30-51-35; WL 96-58-20
- (16) MOBILE: Ennis, Texas (Ellis County), within 50 km, centered around NL 32-19-18; WL 96-37-47
- (17) MOBILE: Lockney, Texas (Floyd County), within 50 km, centered around NL 34-07-23; WL 101-26-31
- (18) MOBILE: Paducah, Texas (Cottle County), within 50 km, centered around NL 34-00-52; WL 100-18-10
- (19) MOBILE: Van Alstyne, Texas (Grayson, County), within 50 km, centered around NL 33-25-13; WL 96-34-47

Frequency Information

MOBILE: Fargo, North Dakota (Cass County), within 5 km, centered around NL 46-53-17; WL 96-48-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Ankeny, Iowa (Polk County), within 4 km, centered around NL 41-43-47; WL 93-36-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

Frequency Information

MOBILE: Ames, Iowa (Story County), within 50 km, centered around NL 41-01-34; WL 93-37-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Ottumwa, Iowa (Wapello County), within 50 km, centered around NL 41-02-05; WL 92-24-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Davis, Iowa (Davis County), within 50 km, centered around NL 40-45-58; WL 92-25-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

Frequency Information

MOBILE: Buckeye, Arizona (Maricopa County), within 50 km, centered around NL 33-30-42; WL 112-39-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Casa Grande, Arizona (Pinal County), within 50 km, centered around NL 32-54-43; WL 111-47-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Yuma, Arizona (Yuma County), within 50 km, centered around NL 32-40-08; WL 114-37-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

Frequency Information

MOBILE: Lake City, Arkansas (Craighead County), within 50 km, centered around NL 35-49-08; WL 90-27-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: McGehee, Arkansas (Desha, County), within 50 km, centered around NL 33-37-18; WL 91-23-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Los Banos, California (Merced County), within 50 km, centered around NL 37-03-52; WL 120-50-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

Frequency Information

MOBILE: Sebring, Florida (Highlands County), centered around NL 27-27-40; WL 81-27-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Dillon, Montana (Beaverhead County), within 50 km, centered around NL 45-13-07; WL 112-38-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Taft, Texas (San Patricio County), within 50 km, centered around NL 27-58-45; WL 97-23-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 mW (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

Frequency Information

MOBILE: Cameron, Texas (Milam County), within 50 km, centered around NL 30-51-35; WL 96-58-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Ennis, Texas (Ellis County), within 50 km, centered around NL 32-19-18; WL 96-37-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Lockney, Texas (Floyd County), within 50 km, centered around NL 34-07-23; WL 101-26-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

Frequency Information

MOBILE: Paducah, Texas (Cottle County), within 50 km, centered around NL 34-00-52; WL 100-18-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

MOBILE: Van Alstyne, Texas (Grayson, County), within 50 km, centered around NL 33-25-13; WL 96-34-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	MO	1M00A1D	2 W (ERP)	
915 MHz	MO	1M00A1D	4 W (ERP)	

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) Prior to commencing any operations in this band 865.5-866.5, Licensee must obtain consent from the SMR/ESMR licensee (T-Mobile).
- (5) Prior to commencing any operations in 914.5-915.5 MHz band, Licensee must obtain consent from licensees in this sub-band of Location & Monitoring Service (902-928 MHz) within 50 miles of the contours of the testing area.
- (6) Stop buzzer POC is Neal Feltman, 701-451-4160