

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WO9XOA

(Call Sign)

XT FX MO

(Class of Station)

0643-EX-ST-2019

(File Number)

NAME Deere & Company

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Conduct operational testing using 3550-3700 MHz Citizens Broadband Radio Service ("CBRS") spectrum.

Station Locations

- (1) Moline (ROCK ISLAND), IL - NL 41-28-35; WL 90-25-32; MOBILE: , within 20 km
- (2) Bondurant (POLK), IA - NL 41-45-50; WL 93-29-01; MOBILE: , within 20 km
- (3) Davenport (SCOTT), IA - NL 41-36-08; WL 90-33-05; MOBILE: , within 20 km
- (4) Coal Valley (ROCK ISLAND), IL - NL 41-25-02; WL 90-27-55; MOBILE: , within 20 km
- (5) Moline (ROCK ISLAND), IL - NL 41-30-29; WL 90-31-34; MOBILE: , within 20 km
- (6) Moline (ROCK ISLAND), IL - NL 41-31-36; WL 90-26-10; MOBILE: , within 20 km

Frequency Information

Moline (ROCK ISLAND), IL - NL 41-28-35; WL 90-25-32; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	48.55 W (ERP)	0.00001 %

This authorization effective May 24, 2019 and
will expire 3:00 A.M. EST November 24, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Moline (ROCK ISLAND), IL - NL 41-28-35; WL 90-25-32; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	MO	10M0W7W 20M0W7W 5M00W7W	0.38 W (ERP)	0.00001 %
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	0.61 W (ERP)	0.00001 %

Bondurant (POLK), IA - NL 41-45-50; WL 93-29-01; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	48.55 W (ERP)	0.00001 %
3550-3700 MHz	MO	10M0W7W 20M0W7W 5M00W7W	0.38 W (ERP)	0.00001 %
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	0.61 W (ERP)	0.00001 %

Frequency Information

Davenport (SCOTT), IA - NL 41-36-08; WL 90-33-05; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	48.55 W (ERP)	0.00001 %
3550-3700 MHz	MO	10M0W7W 20M0W7W 5M00W7W	0.38 W (ERP)	0.00001 %
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	0.61 W (ERP)	0.00001 %

Coal Valley (ROCK ISLAND), IL - NL 41-25-02; WL 90-27-55; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	48.55 W (ERP)	0.00001 %
3550-3700 MHz	MO	10M0W7W 20M0W7W 5M00W7W	0.38 W (ERP)	0.00001 %
3550-3700 MHz	FX	10M0W7W 20M0W7W	0.61 W (ERP)	0.00001 %

Frequency Information

Coal Valley (ROCK ISLAND), IL - NL 41-25-02; WL 90-27-55; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	5M00W7W	0.61 W (ERP)	0.00001 %

Moline (ROCK ISLAND), IL - NL 41-30-29; WL 90-31-34; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	48.55 W (ERP)	0.00001 %

3550-3700 MHz	MO	10M0W7W 20M0W7W 5M00W7W	0.38 W (ERP)	0.00001 %
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3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	0.61 W (ERP)	0.00001 %
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Moline (ROCK ISLAND), IL - NL 41-31-36; WL 90-26-10; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10M0W7W 20M0W7W 5M00W7W	48.55 W (ERP)	0.00001 %

Frequency Information

Moline (ROCK ISLAND), IL - NL 41-31-36; WL 90-26-10; MOBILE: , within 20 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	MO		0.38 W (ERP)	0.00001 %
		10M0W7W		
		20M0W7W		
		5M00W7W		
3550-3700 MHz	FX		0.61 W (ERP)	0.00001 %
		10M0W7W		
		20M0W7W		
		5M00W7W		

Special Conditions:

- (1) Licensee must maintain operation separation from the grandfathered earth stations as defined in Part 90, sub-part Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3550-3700 MHz band.
- (2) Licensee shall consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz and notify the registered users in the proposed area.
- (3) Licensee shall be aware that FSS earth stations are licensed above 3625 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.