

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WF2XAV

(Call Sign)

0347-EX-CR-2019

(File Number)

NAME Caterpillar of Delaware, Inc.

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: Peoria, IL, within 1.6 km, centered around NL 40-44-24; WL 89-29-27
- (2) MOBILE: Green Valley, AZ, within 1.6 km, centered around NL 31-29-24; WL 111-08-04
- (3) MOBILE: Mossville, IL, within 1.6 km, centered around NL 40-51-29; WL 89-34-16

Frequency Information

MOBILE: Peoria, IL, within 1.6 km, centered around NL 40-44-24; WL 89-29-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5850-5925 MHz	MO	10M0D7D	100 mW (ERP)	

MOBILE: Green Valley, AZ, within 1.6 km, centered around NL 31-29-24; WL 111-08-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5850-5925 MHz	MO	10M0D7D	100 mW (ERP)	

This authorization effective July 01, 2019 and
will expire 3:00 A.M. EST July 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mossville, IL, within 1.6 km, centered around NL 40-51-29; WL 89-34-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5850-5925 MHz	MO	10M0D7D	100 mW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee shall coordinate with microwave licensees in the vicinity prior to operations.