

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC2XSK

(Call Sign)

0024-EX-RR-2004

(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(i) of the Commission's Rules

Station Locations

- (1) East Peoria (TAZEWELL), IL - NL 40-44-24; WL 89-29-22
- (2) Mossville (PEORIA), IL - NL 40-51-08; WL 89-34-16
- (3) Green Valley (PIMA), AZ - NL 31-50-00; WL 111-08-00

Frequency Information

East Peoria (TAZEWELL), IL - NL 40-44-24; WL 89-29-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	24M0G1D	100 mW (ERP)	6.0E-6 %

Mossville (PEORIA), IL - NL 40-51-08; WL 89-34-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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Green Valley (PIMA), AZ - NL 31-50-00; WL 111-08-00

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This authorization effective March 01, 2004 and
will expire 3:00 A.M. EST March 01, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Aggregate duty cycle for all transmitters at any test site is not to exceed 10%.
- (2) Licensee must place GPS monitors within 1 km of all transmitters in accordance with ICAO standards.
- (3) Subject to notification of activation to the FAA for above ground testing only.
- (4) Operations under the authority of this assignment are subject to immediate adjustment, including cessation if they result in harmful interference to FAA operations.