

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

EXPERIMENTAL
(Nature of Service)

WI2XZE
(Call Sign)

XD FX MO
(Class of Station)

0047-EX-CM-2018
(File Number)

NAME Rockwell Collins, 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: Newton, IL, within 10 km, centered around NL 38-56-50; WL 88-16-40
- (2) MOBILE: Iowa City, IA, within 40.2 km, centered around NL 41-39-02; WL 91-37-37
- (3) Coralville (JOHNSON), IA - NL 41-41-58; WL 91-36-50; MOBILE: Coralville, IA, within 40.2 km, centered around NL 41-41-58; WL 91-36-50
- (4) Cedar Rapids (LINN), IA - NL 42-02-01; WL 91-38-56; MOBILE: Cedar Rapids, IA, within 40.2 km, centered around NL 42-02-01; WL 91-38-56
- (5) MOBILE: Green Castle Airport, within 32.2 km, centered around NL 41-45-14; WL 91-43-11
- (6) MOBILE: Iowa City Airport, within 32.2 km, centered around NL 41-38-19; WL 91-32-26
- (7) Newton (JASPER), IL - NL 38-56-43; WL 88-16-48; MOBILE: Newton, IL, within 32.2 km, centered around NL 38-56-43; WL 88-16-48
- (8) Greenup (CUMBERLAND), IL - NL 39-16-08; WL 88-04-54; MOBILE: Greenup, IL, within 32.2 km, centered around NL 39-16-08; WL 88-04-54
- (9) MOBILE: Devil's Lake, ND, within 46.3 km, centered around NL 48-03-26; WL 98-54-01

Frequency Information

MOBILE: Newton, IL, within 10 km, centered around NL 38-56-50; WL 88-16-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

This authorization effective May 01, 2018 and
will expire 3:00 A.M. EST July 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Newton, IL, within 10 km, centered around NL 38-56-50; WL 88-16-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.00027 %

MOBILE: Iowa City, IA, within 40.2 km, centered around NL 41-39-02; WL 91-37-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

Coralville (JOHNSON), IA - NL 41-41-58; WL 91-36-50; MOBILE: Coralville, IA, within 40.2 km, centered around NL 41-41-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

Frequency Information

Coralville (JOHNSON), IA - NL 41-41-58; WL 91-36-50; MOBILE: Coralville, IA, within 40.2 km, centered around NL 41-41-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.0125-897.125 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

Cedar Rapids (LINN), IA - NL 42-02-01; WL 91-38-56; MOBILE: Cedar Rapids, IA, within 40.2 km, centered around NL 42-02-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %

Frequency Information

Cedar Rapids (LINN), IA - NL 42-02-01; WL 91-38-56; MOBILE: Cedar Rapids, IA, within 40.2 km, centered around NL 42-02-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

MOBILE: Green Castle Airport, within 32.2 km, centered around NL 41-45-14; WL 91-43-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.00027 %
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.00027 %

MOBILE: Iowa City Airport, within 32.2 km, centered around NL 41-38-19; WL 91-32-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	MO	100KK3D	2.5 W (ERP)	0.000027 %

Frequency Information

Newton (JASPER), IL - NL 38-56-43; WL 88-16-48; MOBILE: Newton, IL, within 32.2 km, centered around NL 38-56-43; WL 8

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
896.7625-896.875 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

Greenup (CUMBERLAND), IL - NL 39-16-08; WL 88-04-54; MOBILE: Greenup, IL, within 32.2 km, centered around NL 39-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
896.7625-896.875 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %

Frequency Information

Greenup (CUMBERLAND), IL - NL 39-16-08; WL 88-04-54; MOBILE: Greenup, IL, within 32.2 km, centered around NL 39-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	FX	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

MOBILE: Devil's Lake, ND, within 46.3 km, centered around NL 48-03-26; WL 98-54-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.7625-896.875 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.0125-897.125 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %
897.2625-897.375 MHz	MO	100KF3D	2.5 W (ERP)	0.000027 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is subject to consent of SMR licensees (896-901 MHz) within 50 miles of the test area.
- (5) UAS/UAV antenna height above ground level must not exceed 400 ft.