

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

EXPERIMENTAL

(Nature of Service)

WJ2XWO

(Call Sign)

XD FX MO

(Class of Station)

0868-EX-CN-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) Cedar Rapids (LINN), IA - NL 42-01-52; WL 91-38-09; MOBILE: Cedar Rapids, IA, within 0.02 km, centered around NL 42-01-52; WL 91-38-09

Frequency Information

Cedar Rapids (LINN), IA - NL 42-01-52; WL 91-38-09; MOBILE: Cedar Rapids, IA, within 0.02 km, centered around NL 42-01-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-29.5 GHz	FX	160MG1D	125 W (ERP)	

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) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 29-29.5 GHz band.

This authorization effective November 26, 2018 and
will expire 3:00 A.M. EST December 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (6) Operation is subject to prior coordination with the Fixed Microwave Service licensees in accordance with 47 CFR.Part 101.103(d) prior to operation in 27.5-29.5 GHz band.