

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

EXPERIMENTAL

(Nature of Service)

WE2XFC

(Call Sign)

XT FX MO

(Class of Station)

0253-EX-PL-2007

(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(d, i) of the Commission's Rules

Station Locations

- (1) Cedar Rapids (LINN), IA - NL 42-01-59; WL 91-38-28; MOBILE: Cedar Rapids, IA, within 55.56 km, centered around NL 42-01-59; WL 91-38-28
- (2) Cedar Rapids (LINN), IA - NL 42-01-59; WL 91-38-28; MOBILE: Cedar Rapids, IA, within 55.56 km, centered around NL 42-01-59; WL 91-38-28
- (3) Cedar Rapids (LINN), IA - NL 42-01-59; WL 91-38-28; MOBILE: Cedar Rapids, IA, within 55.56 km, centered around NL 42-01-59; WL 91-38-28
- (4) Edgewood (SANTA FE), NM - NL 35-05-57; WL 106-10-03; MOBILE: Edgewood, NM, within 55.56 km, centered around NL 35-05-57; WL 106-10-03
- (5) Edgewood (SANTA FE), NM - NL 35-05-57; WL 106-10-03; MOBILE: Edgewood, NM, within 55.56 km, centered around NL 35-05-57; WL 106-10-03
- (6) Edgewood (SANTA FE), NM - NL 35-05-57; WL 106-10-03; MOBILE: Edgewood, NM, within 55.56 km, centered around NL 35-05-57; WL 106-10-03

Frequency Information

Cedar Rapids (LINN), IA - NL 42-01-59; WL 91-38-28; MOBILE: Cedar Rapids, IA, within 55.56 km, centered around NL 42-0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	230KF1D	2.32 W (ERP)	

This authorization effective August 03, 2007 and
will expire 3:00 A.M. EST August 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.4-2.4835 GHz	FX	20M0G1F	1.92 W (ERP)	
2.4-2.4835 GHz	MO	20M0G1F	1.92 W (ERP)	

Cedar Rapids (LINN), IA - NL 42-01-59; WL 91-38-28; MOBILE: Cedar Rapids, IA, within 55.56 km, centered around NL 42-0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-76 GHz	FX	5G00M1W	192.8 W (ERP)	
71-76 GHz	MO	5G00M1W	192.8 W (ERP)	

Edgewood (SANTA FE), NM - NL 35-05-57; WL 106-10-03; MOBILE: Edgewood, NM, within 55.56 km, centered around NL 3

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	230KF1D	2.32 W (ERP)	

Frequency Information

Edgewood (SANTA FE), NM - NL 35-05-57; WL 106-10-03; MOBILE: Edgewood, NM, within 55.56 km, centered around NL 3

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71-76 GHz	MO	5G00M1W	192.8 W (ERP)	
71-76 GHz	FX	5G00M1W	192.8 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.

Special Conditions:

- (4) Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U. S. Territory within a 150 mile radius of WSMR plus the area of Utah and Colorado that lies South of 41 degrees North and between 108 degrees and 111 degrees West. Phone: 505-678-5417 or 3702.
- (5) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (6) Licensee is required to coordinate operations with affected existing and future microwave users in the area to avoid interference.
- (7) Operations in frequency band 71-76 GHz are subject to registration of the microwave link(s) in accordance with CFR 47 Section §101.1523 of the Commission's rules.