

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WJ9XEB

(Call Sign)

XT FX MO

(Class of Station)

1098-EX-ST-2015

(File Number)

NAME Rockwell Collins, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

To temporarily test a prototype networking radio system.

Station Locations

- (1) Cedar Rapids (LINN), IA - NL 42-00-44; WL 91-38-50
- (2) MOBILE: Cedar Rapids, IA Mobile, ground or air vehicle, within 322 km, centered around NL 42-00-44; WL 91-38-50

Frequency Information

Cedar Rapids (LINN), IA - NL 42-00-44; WL 91-38-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1358.167-1384.833 MHz	FX	14M6G1D	96.64 W (ERP)	0.0002 %
1443.167-1509.833 MHz	FX	14M6G1D	96.64 W (ERP)	0.0002 %

This authorization effective January 05, 2016 and
will expire 3:00 A.M. EST July 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cedar Rapids (LINN), IA - NL 42-00-44; WL 91-38-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1784-1826 MHz	FX	14M6G1D	96.64 W (ERP)	0.0002 %
1830-1841.833 MHz	FX	11M8G1D	96.64 W (ERP)	0.0002 %
2033.167-2101.833 MHz	FX	14M6G1D	96.64 W (ERP)	0.0002 %
2249.571-2276.25 MHz	FX	14M6G1D	96.64 W (ERP)	0.0002 %

MOBILE: Cedar Rapids, IA Mobile, ground or air vehicle, within 322 km, centered around NL 42-00-44; WL 91-38-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1358.167-1384.833 MHz	MO	14M6G1D	96.64 W (ERP)	0.0002 %
1443.167-1509.833 MHz	MO	14M6G1D	96.64 W (ERP)	0.0002 %
1784-1826 MHz	MO	14M6G1D	96.64 W (ERP)	0.0002 %
1830-1841.833 MHz	MO	11M8G1D	96.64 W (ERP)	0.0002 %
2033.167-2101.833 MHz	MO	14M6G1D	96.64 W (ERP)	0.0002 %

Frequency Information

MOBILE: Cedar Rapids, IA Mobile, ground or air vehicle, within 322 km, centered around NL 42-00-44; WL 91-38-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2249.571-2276.25 MHz	MO	14M6G1D	96.64 W (ERP)	0.0002 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (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) Coordinate with the local Society of Broadcast Engineers (SBE) frequency coordinator prior to operation in 2033.167-2101.833 MHz band.
- (5) Operation not permitted in the bands 1763.167-1784 MHz and 1826-1830 MHz.
- (6) Operation not to be used at an altitude greater than 12,000 ft. or within 300 km of Sioux Falls, SD (43-44-10N, 096-37-21W) in the frequency range 2249.571-2276.25 MHz to protect NASA downlinks at that location.
- (7) To Notch out /Blank out the following frequencies within the Radius of 322 KM from Center point:

1840.0 MHz, +/-1MHz (43-46-25 N, 089-20-22 W) Oxford, WI
 1840.0 MHz, +/-1MHz (43-08-37 N, 089-20-22 W) Madison, WI
 1840.0 MHz, +/-1MHz (43-55-41 N, 090-15-21 W) Volk Field, WI
- (8) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.