

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

EXPERIMENTAL

(Nature of Service)

XR FX

(Class of Station)

KA2XAH

(Call Sign)

0172-EX-RR-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(a) of the Commission's Rules

Station Locations

(1) Cedar Rapids (LINN), IA - NL 42-02-05; WL 91-38-37

Frequency Information

Cedar Rapids (LINN), IA - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2396.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	
2399.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cedar Rapids (LINN), IA - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4795.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
4798.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
6151.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
6154.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
6171 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	

Frequency Information

Cedar Rapids (LINN), IA - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6174 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	
9655.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
9658.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
11761.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
11764.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	

Frequency Information

Cedar Rapids (LINN), IA - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15341.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
15344.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
15406 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
15409 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	1 kW (ERP)	
21725.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	

Frequency Information

Cedar Rapids (LINN), IA - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21728.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	
23098.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	
23101.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	
27738.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	
27741.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	

Frequency Information

Cedar Rapids (LINN), IA - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29928.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (ERP)	
29931.5 kHz	FX	3K00H3E 3K00H8W 3K00J3E 3K00J8W 3K00R3E	12 kW (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.

Special Conditions:

(3) These frequencies are restricted to the following hours of operation:

0200-1800 GMT: 11761.5 kHz and 11764.5 kHz

0300-1300 GMT: 21725.5 kHz and 21728.5 kHz

0400-1000 GMT: 15406 kHz and 15409 kHz

1200-2200 GMT: 6151.5 kHz, 6154.5 kHz, 6171 kHz and 6174 kHz

1400-2200 GMT: 9655.5 kHz and 9658.5 kHz

1800-0800 GMT: 15341.5 kHz and 15344.5 kHz

Daytime from two hours after local sunrise until two hours before local sunset:
4795.5 kHz and 4798.5 kHz

Nighttime from two hours prior to local sunset until two hours after local sunrise:
23098.5 kHz and 23101.5 kHz

Anytime: 2396.5 kHz, 2399.5 kHz, 27738.5 kHz, 27741.5 kHz, 29928.5 kHz and
29931.5 kHz