

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

EXPERIMENTAL

(Nature of Service)

XC      FX

(Class of Station)

KC2XKG

(Call Sign)

0102-EX-RR-2005

(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(b) 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 (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 2810 KHZ   | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 4992.5 KHZ | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 5278.5 KHZ | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 5842.5 KHZ | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |

This authorization effective August 01, 2005 and  
will expire 3:00 A.M. EST August 01, 2010

**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 (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 5913.5 KHZ  | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 7658.5 KHZ  | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 9240 KHZ    | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 9498.5 KHZ  | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 11075 KHZ   | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 11077.5 KHZ | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 12140 KHZ   | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 14687.5 KHZ | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 14691.5 KHZ | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 18172.5 KHZ | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |

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| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 19132.5 kHz | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 20350 kHz   | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 23805 kHz   | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 25386.5 kHz | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |
| 26947 kHz   | FX            | 3K00J3E             | 100 kW (ERP)     | 0.005 %                   |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Drug Enforcement Administration contract no. DEA-91-C-0006. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.