

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

EXPERIMENTAL

(Nature of Service)

XR MO

(Class of Station)

KA2XDI

(Call Sign)

0221-EX-RR-2006

(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) MOBILE: Cedar Rapids, IA, within 80 km, centered around NL 42-02-05; WL 91-38-37

Frequency Information

MOBILE: Cedar Rapids, IA, within 80 km, centered around NL 42-02-05; WL 91-38-37

| Frequency  | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 2396.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 2398 kHz   | MO            | 7K00A3E<br>7K00B3E<br>5K00F1D                       | 1000 W (ERP)     |                           |
| 2399.5 kHz | MO            | 3K00R3E<br>3K00H3E                                  | 1000 W (ERP)     |                           |

This authorization effective December 01, 2006 and  
will expire 3:00 A.M. EST December 01, 2008

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Cedar Rapids, IA, within 80 km, centered around NL 42-02-05; WL 91-38-37

| Frequency  | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 2399.5 kHz | MO            | 3K00J3E<br>3K00H8W<br>3K00J8W                       | 1000 W (ERP)     |                           |
| 4795.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 4797 kHz   | MO            | 7K00A3E<br>7K00B3E<br>5K00F1D                       | 1000 W (ERP)     |                           |
| 4798.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 6171 kHz   | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 6172.5 kHz | MO            | 7K00A3E<br>7K00B3E                                  | 1000 W (ERP)     |                           |

## Frequency Information

MOBILE: Cedar Rapids, IA, within 80 km, centered around NL 42-02-05; WL 91-38-37

| Frequency  | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 6172.5 kHz | MO            | 5K00F1D                                             | 1000 W (ERP)     |                           |
| 6174 kHz   | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 9655.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 9657 kHz   | MO            | 7K00A3E<br>7K00B3E<br>5K00F1D                       | 1000 W (ERP)     |                           |
| 9658.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 15406 kHz  | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W            | 1000 W (ERP)     |                           |

## Frequency Information

MOBILE: Cedar Rapids, IA, within 80 km, centered around NL 42-02-05; WL 91-38-37

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 15406 kHz   | MO            | 3K00J8W                                             | 1000 W (ERP)     |                           |
| 15407.5 kHz | MO            | 7K00A3E<br>7K00B3E<br>5K00F1D                       | 1000 W (ERP)     |                           |
| 15409 kHz   | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 21725.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 21727 kHz   | MO            | 7K00A3E<br>7K00B3E<br>5K00F1D                       | 1000 W (ERP)     |                           |
| 21728.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |

## Frequency Information

MOBILE: Cedar Rapids, IA, within 80 km, centered around NL 42-02-05; WL 91-38-37

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 23098.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 23100 KHZ   | MO            | 7K00A3E<br>7K00B3E<br>5K00F1D                       | 1000 W (ERP)     |                           |
| 23101.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 29928.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 1000 W (ERP)     |                           |
| 29930 KHZ   | MO            | 7K00A3E<br>7K00B3E<br>5K00F1D                       | 1000 W (ERP)     |                           |
| 29931.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E                       | 1000 W (ERP)     |                           |

Frequency Information

MOBILE: Cedar Rapids, IA, within 80 km, centered around NL 42-02-05; WL 91-38-37

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 29931.5 KHZ | MO            | 3K00H8W<br>3K00J8W  | 1000 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) Hours of operation: 2396.5, 2398 and 2399.5 unlimited 4795.5, 4797 and 4798.5 daytime only (two hours after local sunrise until two hours before local sunset) 6171, 6172. 5 and 6174 1200-2000 GMT 9655.5, 9657 and 9658.5 1400-2200 GMT 15406, 15407.5 and 15409 0400-1000 GMT 21725.5, 21727 and 21728.5 0300-1300 GMT 23098.5, 23100, 23101.5, 29928.5, 29930 and 29931.5 nighttime only (two hours prior to local sunset until two hours after local sunrise).