

**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)

0328-EX-RR-2010

(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 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
2398 kHz	MO	7K00A3E 7K00B3E 5K00F1D	1000 W (ERP)	
2399.5 kHz	MO	3K00R3E 3K00H3E	1000 W (ERP)	

This authorization effective December 01, 2010 and
will expire 3:00 A.M. EST August 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

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6172.5 kHz	MO	5K00F1D	1000 W (ERP)	
6174 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
9655.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
9657 kHz	MO	7K00A3E 7K00B3E 5K00F1D	1000 W (ERP)	
9658.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
15406 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W	1000 W (ERP)	

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15406 kHz	MO	3K00J8W	1000 W (ERP)	
15407.5 kHz	MO	7K00A3E 7K00B3E 5K00F1D	1000 W (ERP)	
15409 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
21725.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
21727 kHz	MO	7K00A3E 7K00B3E 5K00F1D	1000 W (ERP)	
21728.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	

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23098.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
23100 kHz	MO	7K00A3E 7K00B3E 5K00F1D	1000 W (ERP)	
23101.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
29928.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	1000 W (ERP)	
29930 kHz	MO	7K00A3E 7K00B3E 5K00F1D	1000 W (ERP)	
29931.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E	1000 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29931.5 kHz	MO	3K00H8W 3K00J8W	1000 W (ERP)	

Special Conditions:

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