

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

EXPERIMENTAL

(Nature of Service)

XR MO

(Class of Station)

KM2XHZ

(Call Sign)

0222-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: NewPort Beach, CA, within 160 km, centered around NL 33-39-40; WL 117-52-07

Frequency Information

MOBILE: NewPort Beach, CA, within 160 km, centered around NL 33-39-40; WL 117-52-07

| Frequency  | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 2396.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 2500 W (ERP)     |                           |
| 2398 kHz   | MO            | 7K00A3E<br>7K00A8E<br>5K00F1B                       | 2500 W (ERP)     |                           |
| 2399.5 kHz | MO            | 3K00R3E                                             | 2500 W (ERP)     |                           |

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

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



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|------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 2399.5 kHz | MO            | 3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W            | 2500 W (ERP)     |                           |
| 4795.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 2500 W (ERP)     |                           |
| 4797 kHz   | MO            | 7K00A3E<br>7K00A8E<br>5K00F1B                       | 1000 W (ERP)     |                           |
| 4798.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 2500 W (ERP)     |                           |
| 6171 kHz   | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 500 W (ERP)      |                           |
| 6172.5 kHz | MO            | 7K00A3E<br>7K00A8E                                  | 500 W (ERP)      |                           |

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|------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 6172.5 kHz | MO            | 5K00F1B                                             | 500 W (ERP)      |                           |
| 6174 kHz   | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 500 W (ERP)      |                           |
| 9655.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 500 W (ERP)      |                           |
| 9657 kHz   | MO            | 7K00A3E<br>7K00A8E<br>5K00F1B                       | 500 W (ERP)      |                           |
| 9658.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 500 W (ERP)      |                           |
| 15406 kHz  | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W            | 2500 W (ERP)     |                           |

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|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 15406 kHz   | MO            | 3K00J8W                                             | 2500 W (ERP)     |                           |
| 15407.5 kHz | MO            | 7K00A3E<br>7K00A8E<br>5K00F1B                       | 2500 W (ERP)     |                           |
| 15409 kHz   | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 2500 W (ERP)     |                           |
| 21725.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 500 W (ERP)      |                           |
| 21727 kHz   | MO            | 7K00A3E<br>7K00A8E<br>5K00F1B                       | 500 W (ERP)      |                           |
| 21728.5 kHz | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 500 W (ERP)      |                           |

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| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 27738.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 2500 W (ERP)     |                           |
| 27740 KHZ   | MO            | 7K00A3E<br>7K00A8E<br>5K00F1B                       | 2500 W (ERP)     |                           |
| 27741.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 2500 W (ERP)     |                           |
| 29928.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E<br>3K00H8W<br>3K00J8W | 2500 W (ERP)     |                           |
| 29930 KHZ   | MO            | 7K00A3E<br>7K00A8E<br>5K00F1B                       | 2500 W (ERP)     |                           |
| 29931.5 KHZ | MO            | 3K00R3E<br>3K00H3E<br>3K00J3E                       | 2500 W (ERP)     |                           |

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|-------------|---------------|---------------------|------------------|---------------------------|
| 29931.5 kHz | MO            | 3K00H8W<br>3K00J8W  | 2500 W (ERP)     |                           |

Special Conditions:

- (1) All operations subject to prior coordination with Area Frequency Coordinator Pacific Missile Range, Point Mugu, California: (805) 989-7983.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Prior to transmitting on 4795.5, 4797, and 4798.5 kHz, frequency(ies) shall be monitored for U.S. Navy operations on adjacent frequency(ies) to avoid interference.
- (5) Hours of operation: unlimited 2396.5, 2398, 2399.5; daytime only (two hours after local sunrise until two hours before local sunset), 4795.5, 4797, 4798.5; 0300-1300 GMT, 21725.5, 21727, 21728.5; 0400-1000 GMT, 15406, 15407.5, 15409; 1200-2000 GMT, 6171, 6172.5, 6174; 1400-2200 GMT, 9655.5, 9657, 9658.5; nighttime only (two hours prior to local sunset until two hours after local sunrise), 27738.5, 27740, 27741.5, 29928.5, 29930, 29931.5.