

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

EXPERIMENTAL

(Nature of Service)

KM2XHZ

(Call Sign)

XR MO

(Class of Station)

0330-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: 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 3K00H3E 3K00J3E 3K00H8W 3K00J8W	2500 W (ERP)	
2398 kHz	MO	7K00A3E 7K00A8E 5K00F1B	2500 W (ERP)	
2399.5 kHz	MO	3K00R3E	2500 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



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

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6172.5 kHz	MO	5K00F1B	500 W (ERP)	
6174 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	500 W (ERP)	
9655.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	500 W (ERP)	
9657 kHz	MO	7K00A3E 7K00A8E 5K00F1B	500 W (ERP)	
9658.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	500 W (ERP)	
15406 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W	2500 W (ERP)	

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

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 (+/-)
27738.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	2500 W (ERP)	
27740 kHz	MO	7K00A3E 7K00A8E 5K00F1B	2500 W (ERP)	
27741.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	2500 W (ERP)	
29928.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E 3K00H8W 3K00J8W	2500 W (ERP)	
29930 kHz	MO	7K00A3E 7K00A8E 5K00F1B	2500 W (ERP)	
29931.5 kHz	MO	3K00R3E 3K00H3E 3K00J3E	2500 W (ERP)	

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 (+/-)
29931.5 kHz	MO	3K00H8W 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.