

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WD2XZT

(Call Sign)

0227-EX-RR-2014

(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(j) of the Commission's Rules

Station Locations

- (1) Melbourne (BREVARD), FL - NL 28-05-12; WL 80-38-28
- (2) Melbourne (BREVARD), FL - NL 28-05-30; WL 80-38-04

Frequency Information

Melbourne (BREVARD), FL - NL 28-05-12; WL 80-38-28

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2851 kHz  | FX            | 100HA1A<br>2K80J2D  | 664 W (ERP)      |                           |
| 2878 kHz  | FX            | 2K80J2D<br>100HA1A  | 664 W (ERP)      |                           |
| 2944 kHz  | FX            | 2K80J2D<br>100HA1A  | 666 W (ERP)      |                           |

This authorization effective September 01, 2014 and  
will expire 3:00 A.M. EST September 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Melbourne (BREVARD), FL - NL 28-05-12; WL 80-38-28

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2947 kHz  | FX            | 100HA1A<br>2K80J2D  | 666 W (ERP)      |                           |
| 2992 kHz  | FX            | 100HA1A<br>2K80J2D  | 667 W (ERP)      |                           |
| 2994 kHz  | FX            | 100HA1A<br>2K80J2D  | 667 W (ERP)      |                           |
| 2995 kHz  | FX            | 100HA1A<br>2K80J2D  | 667 W (ERP)      |                           |
| 3001 kHz  | FX            | 100HA1A<br>2K80J2D  | 667 W (ERP)      |                           |
| 3007 kHz  | FX            | 100HA1A<br>2K80J2D  | 667 W (ERP)      |                           |
| 3019 kHz  | FX            | 100HA1A<br>2K80J2D  | 667 W (ERP)      |                           |
| 3410 kHz  | FX            | 100HA1A<br>2K80J2D  | 677 W (ERP)      |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 3428 kHz  | FX            | 100HA1A<br>2K80J2D  | 678 W (ERP)      |                           |
| 3434 kHz  | FX            | 100HA1A<br>2K80J2D  | 678 W (ERP)      |                           |
| 3494 kHz  | FX            | 100HA1A<br>2K80J2D  | 679 W (ERP)      |                           |
| 3497 kHz  | FX            | 100HA1A<br>2K80J2D  | 679 W (ERP)      |                           |
| 4654 kHz  | FX            | 100HA1A<br>2K80J2D  | 708 W (ERP)      |                           |
| 4672 kHz  | FX            | 100HA1A<br>2K80J2D  | 709 W (ERP)      |                           |
| 4687 kHz  | FX            | 100HA1A<br>2K80J2D  | 709 W (ERP)      |                           |
| 5451 kHz  | FX            | 100HA1A<br>2K80J2D  | 730 W (ERP)      |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5463 kHz  | FX            | 100HA1A<br>2K80J2D  | 730 W (ERP)      |                           |
| 5469 kHz  | FX            | 100HA1A<br>2K80J2D  | 730 W (ERP)      |                           |
| 5508 kHz  | FX            | 100HA1A<br>2K80J2D  | 731 W (ERP)      |                           |
| 5514 kHz  | FX            | 100HA1A<br>2K80J2D  | 731 W (ERP)      |                           |
| 5523 kHz  | FX            | 100HA1A<br>2K80J2D  | 731 W (ERP)      |                           |
| 5529 kHz  | FX            | 100HA1A<br>2K80J2D  | 731 W (ERP)      |                           |
| 5538 kHz  | FX            | 100HA1A<br>2K80J2D  | 732 W (ERP)      |                           |
| 5544 kHz  | FX            | 2K80J2D<br>100HA1A  | 732 W (ERP)      |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5562 kHz  | FX            | 100HA1A<br>2K80J2D  | 733 W (ERP)      |                           |
| 5571 kHz  | FX            | 100HA1A<br>2K80J2D  | 733 W (ERP)      |                           |
| 5610 kHz  | FX            | 100HA1A<br>2K80J2D  | 735 W (ERP)      |                           |
| 5652 kHz  | FX            | 100HA1A<br>2K80J2D  | 735 W (ERP)      |                           |
| 5661 kHz  | FX            | 100HA1A<br>2K80J2D  | 737 W (ERP)      |                           |
| 6538 kHz  | FX            | 100HA1A<br>2K80J2D  | 759 W (ERP)      |                           |
| 6550 kHz  | FX            | 100HA1A<br>2K80J2D  | 759 W (ERP)      |                           |
| 6559 kHz  | FX            | 100HA1A<br>2K80J2D  | 759 W (ERP)      |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 6565 kHz  | FX            | 100HA1A<br>2K80J2D  | 759 W (ERP)      |                           |
| 6634 kHz  | FX            | 100HA1A<br>2K80J2D  | 762 W (ERP)      |                           |
| 6646 kHz  | FX            | 100HA1A<br>2K80J2D  | 762 W (ERP)      |                           |
| 6652 kHz  | FX            | 100HA1A<br>2K80J2D  | 762 W (ERP)      |                           |
| 6661 kHz  | FX            | 100HA1A<br>2K80J2D  | 762 W (ERP)      |                           |
| 8831 kHz  | FX            | 100HA1A<br>2K80J2D  | 825 W (ERP)      |                           |
| 8885 kHz  | FX            | 100HA1A<br>2K80J2D  | 827 W (ERP)      |                           |
| 8912 kHz  | FX            | 100HA1A<br>2K80J2D  | 828 W (ERP)      |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 8927 kHz  | FX            | 100HA1A<br>2K80J2D  | 828 W (ERP)      |                           |
| 8936 kHz  | FX            | 100HA1A<br>2K80J2D  | 828 W (ERP)      |                           |
| 10027 kHz | FX            | 100HA1A<br>2K80J2D  | 862 W (ERP)      |                           |
| 10081 kHz | FX            | 100HA1A<br>2K80J2D  | 864 W (ERP)      |                           |
| 10084 kHz | FX            | 100HA1A<br>2K80J2D  | 864 W (ERP)      |                           |
| 10093 kHz | FX            | 100HA1A<br>2K80J2D  | 864 W (ERP)      |                           |
| 11288 kHz | FX            | 100HA1A<br>2K80J2D  | 903 W (ERP)      |                           |
| 11306 kHz | FX            | 100HA1A<br>2K80J2D  | 903 W (ERP)      |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 11312 kHz | FX            | 2K80J2D<br>100HA1A  | 903 W (ERP)      |                           |
| 11315 kHz | FX            | 100HA1A<br>2K80J2D  | 904 W (ERP)      |                           |
| 11327 kHz | FX            | 100HA1A<br>2K80J2D  | 904 W (ERP)      |                           |
| 11348 kHz | FX            | 100HA1A<br>2K80J2D  | 905 W (ERP)      |                           |
| 11354 kHz | FX            | 100HA1A<br>2K80J2D  | 905 W (ERP)      |                           |
| 11387 kHz | FX            | 100HA1A<br>2K80J2D  | 906 W (ERP)      |                           |
| 13276 kHz | FX            | 100HA1A<br>2K80J2D  | 971 W (ERP)      |                           |
| 13312 kHz | FX            | 100HA1A<br>2K80J2D  | 972 W (ERP)      |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 13339 kHz | FX            | 100HA1A<br>2K80J2D  | 973 W (ERP)      |                           |
| 17919 kHz | FX            | 100HA1A<br>2K80J2D  | 1150 W (ERP)     |                           |
| 17934 kHz | FX            | 2K80J2D<br>100HA1A  | 1151 W (ERP)     |                           |
| 17952 kHz | FX            | 100HA1A<br>2K80J2D  | 1152 W (ERP)     |                           |
| 21928 kHz | FX            | 100HA1A<br>2K80J2D  | 1331 W (ERP)     |                           |
| 21931 kHz | FX            | 100HA1A<br>2K80J2D  | 1331 W (ERP)     |                           |
| 21934 kHz | FX            | 100HA1A<br>2K80J2D  | 1332 W (ERP)     |                           |
| 21937 kHz | FX            | 100HA1A<br>2K80J2D  | 1332 W (ERP)     |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 21985 kHz | FX            | 100HA1A<br>2K80J2D  | 1334 W (ERP)     |                           |

Melbourne (BREVARD), FL - NL 28-05-30; WL 80-38-04

| Frequency         | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-------------------------------|------------------|---------------------------|
| 2000-2850 kHz     | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 3025-3400 kHz     | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 3500-4176.1 kHz   | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 4178.9-4206.1 kHz | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 4211.4-4650 kHz   | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |

## Frequency Information

Melbourne (BREVARD), FL - NL 28-05-30; WL 80-38-04

| Frequency         | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-------------------------------|------------------|---------------------------|
| 4700-5450 kHz     | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 5680-6525 kHz     | FX            | 2K80J3E<br>2K80J2D<br>700HA1A | 656 W (ERP)      |                           |
| 6685-8413.1 kHz   | FX            | 2K80J3E<br>2K80J2D<br>700HA1A | 656 W (ERP)      |                           |
| 8416.9-8815 kHz   | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 8965-10005 kHz    | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 10100-11275 kHz   | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 11400-12518.6 kHz | FX            | 700HA1A<br>2K80J2D            | 656 W (ERP)      |                           |

## Frequency Information

Melbourne (BREVARD), FL - NL 28-05-30; WL 80-38-04

| Frequency           | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------------|---------------|-------------------------------|------------------|---------------------------|
| 11400-12518.6 kHz   | FX            | 2K80J3E                       | 656 W (ERP)      |                           |
| 12521.4-12575.6 kHz | FX            | 2K80J3E<br>2K80J2D<br>700HA1A | 656 W (ERP)      |                           |
| 12580.4-13260 kHz   | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 13360-17900 kHz     | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 17970-21924 kHz     | FX            | 700HA1A<br>2K80J2D<br>2K80J3E | 656 W (ERP)      |                           |
| 22000-30000 kHz     | FX            | 2K80J3E<br>2K80J2D<br>700HA1A | 656 W (ERP)      |                           |

## Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

**Special Conditions:**

- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Christopher Meehan, phone (321) 768-7469.
- (5) Operations not permitted in the following frequency bands;  
4176.1-4178.9 kHz  
4206.1-4211.4 kHz  
8413.1-8416.9 kHz  
12518.6-12521.4 kHz  
12575.6-12580.4 kHz