

**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)

0226-EX-RR-2011

(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(g, i) 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 2K80J2D	664 W (ERP)	0.0002 %
2878 kHz	FX	2K80J2D 100HA1A	664 W (ERP)	0.0002 %
2944 kHz	FX	2K80J2D 100HA1A	666 W (ERP)	0.0002 %

This authorization effective September 01, 2011 and
will expire 3:00 A.M. EST September 01, 2014

**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 2K80J2D	666 W (ERP)	0.0002 %
2992 kHz	FX	100HA1A 2K80J2D	667 W (ERP)	0.0002 %
2994 kHz	FX	100HA1A 2K80J2D	667 W (ERP)	0.0002 %
2995 kHz	FX	100HA1A 2K80J2D	667 W (ERP)	0.0002 %
3001 kHz	FX	100HA1A 2K80J2D	667 W (ERP)	0.0002 %
3007 kHz	FX	100HA1A 2K80J2D	667 W (ERP)	0.002 %
3019 kHz	FX	100HA1A 2K80J2D	667 W (ERP)	0.0002 %
3410 kHz	FX	100HA1A 2K80J2D	677 W (ERP)	0.0002 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3428 kHz	FX	100HA1A 2K80J2D	678 W (ERP)	0.0002 %
3434 kHz	FX	100HA1A 2K80J2D	678 W (ERP)	0.0002 %
3494 kHz	FX	100HA1A 2K80J2D	679 W (ERP)	0.0002 %
3497 kHz	FX	100HA1A 2K80J2D	679 W (ERP)	0.0002 %
4654 kHz	FX	100HA1A 2K80J2D	708 W (ERP)	0.0002 %
4672 kHz	FX	100HA1A 2K80J2D	709 W (ERP)	0.0002 %
4687 kHz	FX	100HA1A 2K80J2D	709 W (ERP)	0.0002 %
5451 kHz	FX	100HA1A 2K80J2D	730 W (ERP)	0.0002 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5463 kHz	FX	100HA1A 2K80J2D	730 W (ERP)	0.0002 %
5469 kHz	FX	100HA1A 2K80J2D	730 W (ERP)	0.0002 %
5508 kHz	FX	100HA1A 2K80J2D	731 W (ERP)	0.0002 %
5514 kHz	FX	100HA1A 2K80J2D	731 W (ERP)	0.0002 %
5523 kHz	FX	100HA1A 2K80J2D	731 W (ERP)	0.0002 %
5529 kHz	FX	100HA1A 2K80J2D	731 W (ERP)	0.0002 %
5538 kHz	FX	100HA1A 2K80J2D	732 W (ERP)	0.0002 %
5544 kHz	FX	2K80J2D 100HA1A	732 W (ERP)	0.0002 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5562 kHz	FX	100HA1A 2K80J2D	733 W (ERP)	0.0002 %
5571 kHz	FX	100HA1A 2K80J2D	733 W (ERP)	0.0002 %
5610 kHz	FX	100HA1A 2K80J2D	735 W (ERP)	0.0002 %
5652 kHz	FX	100HA1A 2K80J2D	735 W (ERP)	0.0002 %
5661 kHz	FX	100HA1A 2K80J2D	737 W (ERP)	0.0002 %
6538 kHz	FX	100HA1A 2K80J2D	759 W (ERP)	0.0002 %
6550 kHz	FX	100HA1A 2K80J2D	759 W (ERP)	0.0002 %
6559 kHz	FX	100HA1A 2K80J2D	759 W (ERP)	0.0002 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6565 kHz	FX	100HA1A 2K80J2D	759 W (ERP)	0.0002 %
6634 kHz	FX	100HA1A 2K80J2D	762 W (ERP)	0.0002 %
6646 kHz	FX	100HA1A 2K80J2D	762 W (ERP)	0.0002 %
6652 kHz	FX	100HA1A 2K80J2D	762 W (ERP)	0.0002 %
6661 kHz	FX	100HA1A 2K80J2D	762 W (ERP)	0.0002 %
8831 kHz	FX	100HA1A 2K80J2D	825 W (ERP)	0.0002 %
8885 kHz	FX	100HA1A 2K80J2D	827 W (ERP)	0.0002 %
8912 kHz	FX	100HA1A 2K80J2D	828 W (ERP)	0.0002 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8927 kHz	FX	100HA1A 2K80J2D	828 W (ERP)	0.0002 %
8936 kHz	FX	100HA1A 2K80J2D	828 W (ERP)	0.0002 %
10027 kHz	FX	100HA1A 2K80J2D	862 W (ERP)	0.0002 %
10081 kHz	FX	100HA1A 2K80J2D	864 W (ERP)	0.0002 %
10084 kHz	FX	100HA1A 2K80J2D	864 W (ERP)	0.0002 %
10093 kHz	FX	100HA1A 2K80J2D	864 W (ERP)	0.0002 %
11288 kHz	FX	100HA1A 2K80J2D	903 W (ERP)	0.0002 %
11306 kHz	FX	100HA1A 2K80J2D	903 W (ERP)	0.0002 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11312 kHz	FX	2K80J2D 100HA1A	903 W (ERP)	0.0002 %
11315 kHz	FX	100HA1A 2K80J2D	904 W (ERP)	0.0002 %
11327 kHz	FX	100HA1A 2K80J2D	904 W (ERP)	0.0002 %
11348 kHz	FX	100HA1A 2K80J2D	905 W (ERP)	0.0002 %
11354 kHz	FX	100HA1A 2K80J2D	905 W (ERP)	0.0002 %
11387 kHz	FX	100HA1A 2K80J2D	906 W (ERP)	0.0002 %
13276 kHz	FX	100HA1A 2K80J2D	971 W (ERP)	0.0002 %
13312 kHz	FX	100HA1A 2K80J2D	972 W (ERP)	0.0002 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13339 kHz	FX	100HA1A 2K80J2D	973 W (ERP)	0.0002 %
17919 kHz	FX	100HA1A 2K80J2D	1150 W (ERP)	0.0002 %
17934 kHz	FX	2K80J2D 100HA1A	1151 W (ERP)	0.0002 %
17952 kHz	FX	100HA1A 2K80J2D	1152 W (ERP)	0.0002 %
21928 kHz	FX	100HA1A 2K80J2D	1331 W (ERP)	0.0002 %
21931 kHz	FX	100HA1A 2K80J2D	1331 W (ERP)	0.0002 %
21934 kHz	FX	100HA1A 2K80J2D	1332 W (ERP)	0.0002 %
21937 kHz	FX	100HA1A 2K80J2D	1332 W (ERP)	0.0002 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21985 kHz	FX	100HA1A 2K80J2D	1334 W (ERP)	0.0002 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2850 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
2000-2850 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
3025-3400 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
3025-3400 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
3500-4650 kHz	FX	700HA1A 2K80J2D 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 (+/-)
3500-4650 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
4700-5450 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
4700-5450 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
5680-6525 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
5680-6525 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
6685-8815 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
6685-8815 kHz	FX	700HA1A 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 (+/-)
6685-8815 kHz	FX	2K80J3E	656 W (ERP)	
8965-10005 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
8965-10005 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
10100-11275 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
10100-11275 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
11400-13260 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
11400-13260 kHz	FX	700HA1A 2K80J2D 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 (+/-)
13360-17900 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
13360-17900 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
17970-21924 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	
17970-21924 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
22000-30000 kHz	FX	2K80J3E 2K80J2D 700HA1A	656 W (ERP)	
22000-30000 kHz	FX	700HA1A 2K80J2D 2K80J3E	656 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.

Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Christopher Meehan, phone (321) 768-7469.