

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WE9XAA

(Call Sign)

0393-EX-ST-2009

(File Number)

NAME Rockwell Collins, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose is to obtain performance data on the new experimental high-speed data waveforms over-the-air.

Station Locations

- (1) Oxford Junction (CLINTON), IA - NL 41-57-41; WL 90-53-37
- (2) Richardson (COLLIN), TX - NL 32-59-43; WL 96-39-37
- (3) Cedar Rapids (LINN), IA - NL 42-00-38; WL 91-38-45

Frequency Information

Oxford Junction (CLINTON), IA - NL 41-57-41; WL 90-53-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3171 kHz	FX	12K0J1D	3 kW (ERP)	
3260 kHz	FX	12K0J1D	3 kW (ERP)	

This authorization effective October 19, 2009 and
will expire 3:00 A.M. EST April 19, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Oxford Junction (CLINTON), IA - NL 41-57-41; WL 90-53-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4576 kHz	FX	12K0J1D	3 kW (ERP)	
4611 kHz	FX	12K0J1D	1 kW (ERP)	
4636 kHz	FX	12K0J1D	3 kW (ERP)	
4950 kHz	FX	12K0J1D	3 kW (ERP)	
5100 kHz	FX	12K0J1D	3 kW (ERP)	
5315 kHz	FX	12K0J1D	3 kW (ERP)	
5760 kHz	FX	12K0J1D	3 kW (ERP)	
5960 kHz	FX	12K0J1D	3 kW (ERP)	
6060 kHz	FX	12K0J1D	3 kW (ERP)	
6160 kHz	FX	12K0J1D	3 kW (ERP)	

Frequency Information

Oxford Junction (CLINTON), IA - NL 41-57-41; WL 90-53-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6970 kHz	FX	12K0J1D	3 kW (ERP)	
7410 kHz	FX	12K0J1D	3 kW (ERP)	
7483 kHz	FX	12K0J1D	3 kW (ERP)	
7650 kHz	FX	12K0J1D	3 kW (ERP)	
7698 kHz	FX	12K0J1D	3 kW (ERP)	
7990 kHz	FX	12K0J1D	3 kW (ERP)	
8060 kHz	FX	12K0J1D	3 kW (ERP)	
9050 kHz	FX	12K0J1D	3 kW (ERP)	
9350 kHz	FX	12K0J1D	3 kW (ERP)	
10200 kHz	FX	12K0J1D	3 kW (ERP)	

Frequency Information

Oxford Junction (CLINTON), IA - NL 41-57-41; WL 90-53-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10400 kHz	FX	12K0J1D	3 kW (ERP)	
10600 kHz	FX	12K0J1D	3 kW (ERP)	
10800 kHz	FX	12K0J1D	3 kW (ERP)	
11550 kHz	FX	12K0J1D	3 kW (ERP)	
12090 kHz	FX	12K0J1D	30 kW (ERP)	
13850 kHz	FX	12K0J1D	3 kW (ERP)	
14550 kHz	FX	12K0J1D	3 kW (ERP)	

Richardson (COLLIN), TX - NL 32-59-43; WL 96-39-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3171 kHz	FX	12K0J1D	3 kW (ERP)	
3260 kHz	FX	12K0J1D	3 kW (ERP)	

Frequency Information

Richardson (COLLIN), TX - NL 32-59-43; WL 96-39-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4576 kHz	FX	12K0J1D	3 kW (ERP)	
4611 kHz	FX	12K0J1D	3 kW (ERP)	
4636 kHz	FX	12K0J1D	3 kW (ERP)	
4950 kHz	FX	12K0J1D	3 kW (ERP)	
5100 kHz	FX	12K0J1D	3 kW (ERP)	
5315 kHz	FX	12K0J1D	3 kW (ERP)	
5760 kHz	FX	12K0J1D	3 kW (ERP)	
5960 kHz	FX	12K0J1D	3 kW (ERP)	
6060 kHz	FX	12K0J1D	3 kW (ERP)	
6160 kHz	FX	12K0J1D	3 kW (ERP)	

Frequency Information

Richardson (COLLIN), TX - NL 32-59-43; WL 96-39-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6970 kHz	FX	12K0J1D	3 kW (ERP)	
7410 kHz	FX	12K0J1D	3 kW (ERP)	
7483 kHz	FX	12K0J1D	3 kW (ERP)	
7650 kHz	FX	12K0J1D	3 kW (ERP)	
7698 kHz	FX	12K0J1D	3 kW (ERP)	
7990 kHz	FX	12K0J1D	3 kW (ERP)	
8060 kHz	FX	12K0J1D	3 kW (ERP)	
9050 kHz	FX	12K0J1D	3 kW (ERP)	
9350 kHz	FX	12K0J1D	3 kW (ERP)	
10200 kHz	FX	12K0J1D	3 kW (ERP)	

Frequency Information

Richardson (COLLIN), TX - NL 32-59-43; WL 96-39-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10400 kHz	FX	12K0J1D	3 kW (ERP)	
10600 kHz	FX	12K0J1D	3 kW (ERP)	
10800 kHz	FX	12K0J1D	3 kW (ERP)	
11550 kHz	FX	12K0J1D	3 kW (ERP)	
12090 kHz	FX	12K0J1D	3 kW (ERP)	
13850 kHz	FX	12K0J1D	3 kW (ERP)	
14550 kHz	FX	12K0J1D	3 kW (ERP)	

Cedar Rapids (LINN), IA - NL 42-00-38; WL 91-38-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3171 kHz	FX	12K0J1D	3 kW (ERP)	
3260 kHz	FX	12K0J1D	3 kW (ERP)	

Frequency Information

Cedar Rapids (LINN), IA - NL 42-00-38; WL 91-38-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4576 kHz	FX	12K0J1D	3 kW (ERP)	
4611 kHz	FX	12K0J1D	3 kW (ERP)	
4636 kHz	FX	12K0J1D	3 kW (ERP)	
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5100 kHz	FX	12K0J1D	3 kW (ERP)	
5315 kHz	FX	12K0J1D	3 kW (ERP)	
5760 kHz	FX	12K0J1D	3 kW (ERP)	
5960 kHz	FX	12K0J1D	3 kW (ERP)	
6060 kHz	FX	12K0J1D	3 kW (ERP)	
6160 kHz	FX	12K0J1D	3 kW (ERP)	

Frequency Information

Cedar Rapids (LINN), IA - NL 42-00-38; WL 91-38-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6970 kHz	FX	12K0J1D	3 kW (ERP)	
7410 kHz	FX	12K0J1D	3 kW (ERP)	
7483 kHz	FX	12K0J1D	3 kW (ERP)	
7650 kHz	FX	12K0J1D	3 kW (ERP)	
7698 kHz	FX	12K0J1D	3 kW (ERP)	
7990 kHz	FX	12K0J1D	3 kW (ERP)	
8060 kHz	FX	12K0J1D	3 kW (ERP)	
9050 kHz	FX	12K0J1D	3 kW (ERP)	
9350 kHz	FX	12K0J1D	3 kW (ERP)	
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10800 kHz	FX	12K0J1D	3 kW (ERP)	
11550 kHz	FX	12K0J1D	3 kW (ERP)	
12090 kHz	FX	12K0J1D	3 kW (ERP)	
13850 kHz	FX	12K0J1D	3 kW (ERP)	
14550 kHz	FX	12K0J1D	3 kW (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) 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) Operation is NOT permitted on the frequency 4050 KHz due to use by the FAA.