

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

EXPERIMENTAL

(Nature of Service)

XR FX

(Class of Station)

WE2XXP

(Call Sign)

0144-EX-ML-2011

(File Number)

NAME Rockwell Collins

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(i) of the Commission's Rules

Station Locations

- (1) Melbourne (BREVARD), FL - NL 28-05-11; WL 80-38-27
- (2) Melbourne (BREVARD), FL - NL 28-05-10; WL 80-38-29

Frequency Information

Melbourne (BREVARD), FL - NL 28-05-11; WL 80-38-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	FX	14M0V1D	500 W (ERP)	

Melbourne (BREVARD), FL - NL 28-05-10; WL 80-38-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	FX	14M0V1D	500 W (ERP)	

This authorization effective May 16, 2011 and
will expire 3:00 A.M. EST April 30, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Pulse duration and repetition rate:
0.45 microsecond pulses with a repetition rate max 6750 per second,
0.5microsecond pulses with a repetition rate max 5600 per second,
Maximum duty cycle of 0.58%,
Operational duty cycle would be much less.
- (4) The FAA CONCURS with the subject application provided that the following condition is included in the FCC application/license: "It is required that the following FAA facilities be coordinated prior to the operation of any transponder equipment that has not been certified as meeting the applicable FAA Technical Standard Orders (TSO):

- Jacksonville, FL Air Route Traffic Control Center (ZJX ARTCC). POC: John Bieker at 904-549-1603, email: 7-ASO-ZJX-SMMC@faa.gov

- Miami, FL Air Route Traffic Control Center (ZMA ARTCC). POC: Juan Ginart at 305-716-1256, email: juan.ginart@faa.gov

- Melbourne, FL System Support Center (MLB SSC). POC: Dale Robinson at 321-723-5452, email: dale.robinson@faa.gov