

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

EXPERIMENTAL  
(Nature of Service)

WE2XXP  
(Call Sign)

XD      FX  
(Class of Station)

0182-EX-CR-2019  
(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 28-05-11; WL 80-38-27
- (2) Melbourne (BREVARD), FL - NL 28-05-10; WL 80-38-29
- (3) Melbourne (BREVARD), FL - NL 28-05-16; WL 80-37-23
- (4) Melbourne (BREVARD), FL - NL 28-05-16; WL 80-37-24

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 01, 2019 and  
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Melbourne (BREVARD), FL - NL 28-05-16; WL 80-37-23

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

Melbourne (BREVARD), FL - NL 28-05-16; WL 80-37-24

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

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Pulse duration and repetition rate:  
0.45 microsecond pulses with a repetition rate 100 per second,  
0.50 microsecond pulses with a repetition rate 100 per second,  
0.80 microsecond pulses with a repetition rate 100 per second,
- (5) 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

**Special Conditions:**

- (6) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Southern Coordinator, Atlanta, GA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Southern Coordinator, Atlanta, GA, as necessary to ensure compatibility with existing uses. FREQUENCY MANAGEMENT OFFICE: PH 404-763-7385/6