

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

EXPERIMENTAL
(Nature of Service)

XC FX MO
(Class of Station)

WO2XXO
(Call Sign)

0463-EX-CR-2026
(File Number)

NAME Honeywell International 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(cb) of the Commission's Rules

Station Locations

- (1) Wright Patterson AFB (MONTGOMERY), OH - NL 39-49-34; WL 84-02-46; MOBILE: Wright Patterson AFB within 150 km 24000 FT MSL, within 150 km, centered around NL 39-49-34; WL 84-02-46
- (2) Eglin AFB (OKALOOSA), FL - NL 30-28-59; WL 86-31-34; MOBILE: Eglin AFB within 250 km 24000 FT MSL, within 250 km, centered around NL 30-28-59; WL 86-31-34

Frequency Information

Wright Patterson AFB (MONTGOMERY), OH - NL 39-49-34; WL 84-02-46; MOBILE: Wright Patterson AFB within 150 km 24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5360 MHz	MO	20M0Q3N	35070 W (ERP)	0.1 %
5405 MHz	MO	20M0Q3N	35070 W (ERP)	0.1 %
5450 MHz	MO	20M0Q3N	35070 W (ERP)	0.1 %

This authorization effective July 01, 2026 and
will expire 3:00 A.M. EST July 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Eglin AFB (OKALOOSA), FL - NL 30-28-59; WL 86-31-34; MOBILE: Eglin AFB within 250 km 24000 FT MSL, within 250 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5360 MHz	MO	20M0Q3N	35070 W (ERP)	0.1 %
5405 MHz	MO	20M0Q3N	35070 W (ERP)	0.1 %
5450 MHz	MO	20M0Q3N	35070 W (ERP)	0.1 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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 authorized station must be in compliance with FCC rules 47 CFR 1.1310 for RF exposure limits.
- (5) Federal agencies are strictly prohibited from operating under experimental license.
- (6) Colorado Engineering must maintain the control and operation of all the radio equipment listed in this experimental.
- (7) RF exposure hazard analysis accompanying this application (document numbers 351979 and 351980) focus on earlier ground tests of the radar. While ground use scenarios discussed therein may not apply to present airborne operations, the calculated compliance distances are considered conservative for airborne operation. Experimental licensee will use the transmitter while airborne (at least 70 feet above ground level). If ground testing is required, it will be performed only within a controlled facility with the antenna at least 63 feet from any location accessible by the general population and the experimental licensee must meet the specific mitigation requirements of 47 CFR 1.1307(b)(4).
- (8) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by AFRL Contract FA8650-19-C-1941. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.

Special Conditions:

- (9) Stop Buzzer Point of Contact
Greg Deemer (719) 641-7287
Michael Bonato (alternate) (719) 314-5927