

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

EXPERIMENTAL

(Nature of Service)

WI2XKH

(Call Sign)

XC FX MO

(Class of Station)

0285-EX-CR-2018

(File Number)

NAME GIRD Systems, 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(c) of the Commission's Rules

Station Locations

- (1) Cincinnati (HAMILTON), OH - NL 39-08-31; WL 84-31-13; MOBILE:within 800 km
- (2) Clarksburg (MONTGOMERY), MD - NL 39-14-37; WL 77-16-48; MOBILE:within 800 km

Frequency Information

Cincinnati (HAMILTON), OH - NL 39-08-31; WL 84-31-13; MOBILE:within 800 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
2.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
4.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
4.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %

This authorization effective July 01, 2018 and
will expire 3:00 A.M. EST July 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cincinnati (HAMILTON), OH - NL 39-08-31; WL 84-31-13; MOBILE:within 800 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
8.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
10.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
10.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
15.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
15.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
20.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
20.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
25.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
25.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %

Frequency Information

Cincinnati (HAMILTON), OH - NL 39-08-31; WL 84-31-13; MOBILE:within 800 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
30.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %

Clarksburg (MONTGOMERY), MD - NL 39-14-37; WL 77-16-48; MOBILE:within 800 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
2.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
4.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
4.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
8.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
8.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
10.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %

Frequency Information

Clarksburg (MONTGOMERY), MD - NL 39-14-37; WL 77-16-48; MOBILE:within 800 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
15.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
15.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
20.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
20.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
25.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
25.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %
30.025 MHz	FX	50K0V2D	100 W (ERP)	0.001 %
30.025 MHz	MO	50K0V2D	100 W (ERP)	0.001 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Transmissions on 6.025 MHz and 12.025 MHz are not permitted. Harmful interference to international broadcast stations is anticipated.

Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Office of Naval Research contract no. N00014-15-C-0010. 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.