

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WG2XAD

(Call Sign)

0190-EX-ML-2013

(File Number)

NAME ISR Group

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) Hardin (HARDIN), TN - NL 35-10-23; WL 88-00-55

Frequency Information

Hardin (HARDIN), TN - NL 35-10-23; WL 88-00-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	200KF1D	5 W (ERP)	
1370-1390 MHz	FX	230KF1D	5.002 W (ERP)	
1668.4-1725 MHz	FX	10M0F1D	5 W (ERP)	
1668.4-1725 MHz	FX	10M0F1D	5.002 W (ERP)	

This authorization effective October 21, 2013 and
will expire 3:00 A.M. EST May 31, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Hardin (HARDIN), TN - NL 35-10-23; WL 88-00-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1850 MHz	FX	8M11F1D	20 W (ERP)	
1755-1850 MHz	FX	10M0F1D	5 W (ERP)	
1765-1840 MHz	FX	10M0F1D	1.002 W (ERP)	
2200-2400 MHz	FX	8M11F1D	20 W (ERP)	
2410-2490 MHz	FX	230KF1D	5 W (ERP)	
2410-2490 MHz	FX	230KF1D	5.002 W (ERP)	
4400-4940 MHz	FX	16M3F3F	10 mW (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the HQ USAF Frequency Coordinator, Alexandria, VA., who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the HQ USAF Frequency Coordinator, Alexandria, VA., as necessary to ensure compatibility with existing uses.
- (2) 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.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.

Special Conditions:

- (4) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (5) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (6) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (7) Altitude not to exceed 4,000 ft above AGL.
- (8) 2345-2360 MHz have been re-allocated on a primary basis to the Wireless Communications Service (WCS). Additional coordination with WCS may be required.
- (9) For frequency band 1370-1390 MHz, Pulse Repetition Rate is 70K pps.