

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

EXPERIMENTAL

(Nature of Service)

WE2XWD

(Call Sign)

XC FX MO

(Class of Station)

0053-EX-ML-2009

(File Number)

NAME Radio Design Group 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(b) of the Commission's Rules

Station Locations

- (1) Grants Pass (JOSEPHINE), OR - NL 42-25-02; WL 123-23-09; MOBILE: Grants Pass (JOSEPHONE), OR, within 45 km

Frequency Information

Grants Pass (JOSEPHINE), OR - NL 42-25-02; WL 123-23-09; MOBILE: Grants Pass (JOSEPHONE), OR, within 45 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1435-1525 MHz	FX	15M0N0N	20 W (ERP)	0.005 %
1435-1525 MHz	MO	15M0N0N	20 W (ERP)	0.005 %
2000-2290 MHz	MO	15M0N0N	20 W (ERP)	
2000-2290 MHz	FX	15M0N0N	20 W (ERP)	

This authorization effective June 16, 2009 and
will expire 3:00 A.M. EST June 16, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Grants Pass (JOSEPHINE), OR - NL 42-25-02; WL 123-23-09; MOBILE: Grants Pass (JOSEPHONE), OR, within 45 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310-2320 MHz	MO	15M0N0N	20 W (ERP)	
2310-2320 MHz	FX	15M0N0N	20 W (ERP)	
2395-2400 MHz	MO	15M0N0N	20 W (ERP)	
2395-2400 MHz	FX	15M0N0N	20 W (ERP)	

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) Stop Buzzer: Jim Hendershot at 541-226-6101, who can cease transmissions immediately at any given time should interference occur.
- (4) Licensee should get consent from existing and future Advance Wireless Services (AWS) licensees in the 2000-2290 MHz bands.
- (5) Operation is subject to prior coordination affected existing and future local Society of Broadcast Engineers, Inc. (SBE), licensees in the 2000-2290 MHz bands.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Space & Missile Defense Command contract W9113M-04-C-0122. 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.
- (7) The frequency bands 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, Texas, 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 AFMO CONUS, Ft. Sam Houston, Texas, as necessary to ensure compatibility with existing uses.