

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

EXPERIMENTAL
(Nature of Service)

XC MO
(Class of Station)

WA2XNA
(Call Sign)

0020-EX-CR-2018
(File Number)

NAME Center for Severe Weather Research

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) MOBILE: Nationwide
- (2) MOBILE: Nationwide
- (3) MOBILE: CO WY SD NE KS OK TX IA LA MS AL FL SC NC NY RI MA

Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9300-9800 MHz	MO	2M00P0N	1.6 GW (ERP)	
9360 MHz	MO	2M00P0N	10 GW (ERP)	
9380 MHz	MO	2M00P0N	10 GW (ERP)	

This authorization effective February 01, 2018 and
will expire 3:00 A.M. EST February 01, 2022

FEDERAL
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Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9390-9410 MHz	MO	5M00M0N	5 GW (ERP)	
9440-9460 MHz	MO	5M00M0N	5 GW (ERP)	
9490-9510 MHz	MO	5M00M0N	5 GW (ERP)	
9540-9560 MHz	MO	5M00M0N	5 GW (ERP)	
9590-9610 MHz	MO	5M00M0N	5 GW (ERP)	

MOBILE: CO WY SD NE KS OK TX IA LA MS AL FL SC NC NY RI MA

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5390-5410 MHz	MO	N0N	20 GW (ERP)	
5440-5460 MHz	MO	N0N	20 GW (ERP)	
5490-5510 MHz	MO	N0N	20 GW (ERP)	
5540-5560 MHz	MO	N0N	20 GW (ERP)	

Frequency Information

MOBILE: CO WY SD NE KS OK TX IA LA MS AL FL SC NC NY RI MA

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5560-5580 MHz	MO	NON	20 GW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by National Science Foundation contract numbers NSF-AGS-1361237. 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.
- (5) Operations under the authority of this assignment are subject to immediate adjustment, including cessation, if they result in harmful interference to airborne weather radars.
- (6) Due to anticipated harmful interferences operation is not permitted in the 5590-5610 MHz band.