

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

EXPERIMENTAL

(Nature of Service)

KO2XDW

(Call Sign)

XD FX MO

(Class of Station)

0094-EX-RR-2014

(File Number)

NAME EF Johnson Company

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(i) of the Commission's Rules

Station Locations

- (1) WASECA (WASECA), MN - NL 44-04-07; WL 93-30-37
- (2) MOBILE: , within 80 km, centered around NL 44-04-07; WL 93-30-37

Frequency Information

WASECA (WASECA), MN - NL 44-04-07; WL 93-30-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25-50 MHz	FX	11K0F3E 16K0F3E	350 W (ERP)	
72-76 MHz	FX	11K0F3E 16K0F3E	1.1 W (ERP)	
150-174 MHz	FX	11K0F3E 16K0F3E	2000 W (ERP)	

This authorization effective May 01, 2014 and
will expire 3:00 A.M. EST May 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

WASECA (WASECA), MN - NL 44-04-07; WL 93-30-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-470 MHz	FX	11K0F3E 16K0F3E	1000 W (ERP)	
470-512 MHz	FX	11K0F3E 16K0F3E	1000 W (ERP)	
806-947 MHz	FX	11K0F3E 16K0F3E	1000 W (ERP)	

MOBILE: , within 80 km, centered around NL 44-04-07; WL 93-30-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25-50 MHz	MO	16K0F3E 11K0F3E	350 W (ERP)	
72-76 MHz	MO	16K0F3E 11K0F3E	1.1 W (ERP)	
150-174 MHz	MO	16K0F3E 11K0F3E	2000 W (ERP)	
450-470 MHz	MO	16K0F3E 11K0F3E	1000 W (ERP)	

Frequency Information

MOBILE: , within 80 km, centered around NL 44-04-07; WL 93-30-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-512 MHz	MO	16K0F3E 11K0F3E	1000 W (ERP)	
806-947 MHz	MO	16K0F3E 11K0F3E	1000 W (ERP)	

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) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) 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.
- (5) ALL OPERATIONS SHALL BE ON APPROPRIATE FREQUENCIES, POWERS, EMISSION AND TECHNICAL PARAMETERS OF PARTS 22, 74, 90, 95 AND 101 OF THE FCC RULES.
- (6) Broadband Division recommends at least prior coordination with Fixed Microwave licensees, and with the SBE representative.
- (7) The quantity of units tested is on the order of 40 units.