

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

EXPERIMENTAL

(Nature of Service)

WC2XUU

(Call Sign)

XE FX MO

(Class of Station)

0063-EX-ML-2002

(File Number)

NAME ltron, 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) Waseca (WASECA), MN - NL 44-05-40; WL 93-30-20; MOBILE: , within 51 km
- (2) Spokane (SPOKANE), WA - NL 47-41-08; WL 117-11-46; MOBILE: , within 51 km
- (3) Raleigh (WAKE), NC - NL 35-43-59; WL 79-39-02; MOBILE: , within 51 km

Frequency Information

Waseca (WASECA), MN - NL 44-05-40; WL 93-30-20; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
183.5-188 MHz	FX	12K5F2D	1 W (ERP)	
183.5-188 MHz	FX	50K0F2D	1 W (ERP)	

This authorization effective May 28, 2003 and
will expire 3:00 A.M. EST March 01, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Waseca (WASECA), MN - NL 44-05-40; WL 93-30-20; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
183.5-188 MHz	FX	250KF2D	1 W (ERP)	
183.5-188 MHz	FX	500KF2D	1 W (ERP)	
183.5-188 MHz	FX	12K5A2D	1 W (ERP)	
183.5-188 MHz	FX	50K0A2D	1 W (ERP)	
183.5-188 MHz	FX	250KA2D	1 W (ERP)	
183.5-188 MHz	FX	500KA2D	1 W (ERP)	
427-435 MHz	FX	500KA2D	1 W (ERP)	
427-435 MHz	FX	250KA2D	1 W (ERP)	
427-435 MHz	FX	50K0A2D	1 W (ERP)	
427-435 MHz	FX	12K5A2D	1 W (ERP)	
427-435 MHz	FX	500KF2D	1 W (ERP)	
427-435 MHz	FX	250KF2D	1 W (ERP)	
427-435 MHz	FX	50K0F2D	1 W (ERP)	
427-435 MHz	FX	12K5F2D	1 W (ERP)	
868-870 MHz	FX	12K5F2D	1 W (ERP)	
868-870 MHz	FX	50K0F2D	1 W (ERP)	
868-870 MHz	FX	250KF2D	1 W (ERP)	
868-870 MHz	FX	500KF2D	1 W (ERP)	
868-870 MHz	FX	12K5A2D	1 W (ERP)	
868-870 MHz	FX	50K0A2D	1 W (ERP)	
868-870 MHz	FX	250KA2D	1 W (ERP)	
868-870 MHz	FX	500KA2D	1 W (ERP)	
1216-1217 MHz	FX	12K5F2D	1 W (ERP)	
1216-1217 MHz	FX	50K0F2D	1 W (ERP)	
1216-1217 MHz	FX	250KF2D	1 W (ERP)	
1216-1217 MHz	FX	500KF2D	1 W (ERP)	

Frequency Information

Waseca (WASECA), MN - NL 44-05-40; WL 93-30-20; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1216-1217 MHz	FX	12K5A2D	1 W (ERP)	
1216-1217 MHz	FX	50K0A2D	1 W (ERP)	
1216-1217 MHz	FX	250KA2D	1 W (ERP)	
1216-1217 MHz	FX	500KA2D	1 W (ERP)	
1252-1253 MHz	FX	500KA2D	1 W (ERP)	
1252-1253 MHz	FX	250KA2D	1 W (ERP)	
1252-1253 MHz	FX	50K0A2D	1 W (ERP)	
1252-1253 MHz	FX	12K5A2D	1 W (ERP)	
1252-1253 MHz	FX	500KF2D	1 W (ERP)	
1252-1253 MHz	FX	250KF2D	1 W (ERP)	
1252-1253 MHz	FX	50K0F2D	1 W (ERP)	
1252-1253 MHz	FX	12K5F2D	1 W (ERP)	

Spokane (SPOKANE), WA - NL 47-41-08; WL 117-11-46; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
183.5-188 MHz	FX	12K5F2D	1 W (ERP)	
183.5-188 MHz	FX	50K0F2D	1 W (ERP)	
183.5-188 MHz	FX	250KF2D	1 W (ERP)	
183.5-188 MHz	FX	500KF2D	1 W (ERP)	
183.5-188 MHz	FX	12K5A2D	1 W (ERP)	
183.5-188 MHz	FX	50K0A2D	1 W (ERP)	
183.5-188 MHz	FX	250KA2D	1 W (ERP)	
183.5-188 MHz	FX	500KA2D	1 W (ERP)	

Frequency Information

Spokane (SPOKANE), WA - NL 47-41-08; WL 117-11-46; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
427-435 MHz	FX	12K5F2D	1 W (ERP)	
427-435 MHz	FX	50K0F2D	1 W (ERP)	
427-435 MHz	FX	250KF2D	1 W (ERP)	
427-435 MHz	FX	500KF2D	1 W (ERP)	
427-435 MHz	FX	12K5A2D	1 W (ERP)	
427-435 MHz	FX	50K0A2D	1 W (ERP)	
427-435 MHz	FX	250KA2D	1 W (ERP)	
427-435 MHz	FX	500KA2D	1 W (ERP)	
868-870 MHz	FX	12K5F2D	1 W (ERP)	
868-870 MHz	FX	50K0F2D	1 W (ERP)	
868-870 MHz	FX	250KF2D	1 W (ERP)	
868-870 MHz	FX	500KF2D	1 W (ERP)	
868-870 MHz	FX	12K5A2D	1 W (ERP)	
868-870 MHz	FX	50K0A2D	1 W (ERP)	
868-870 MHz	FX	250KA2D	1 W (ERP)	
868-870 MHz	FX	500KA2D	1 W (ERP)	
1216-1217 MHz	FX	12K5F2D	1 W (ERP)	
1216-1217 MHz	FX	50K0F2D	1 W (ERP)	
1216-1217 MHz	FX	250KF2D	1 W (ERP)	
1216-1217 MHz	FX	500KF2D	1 W (ERP)	
1216-1217 MHz	FX	12K5A2D	1 W (ERP)	
1216-1217 MHz	FX	50K0A2D	1 W (ERP)	
1216-1217 MHz	FX	250KA2D	1 W (ERP)	
1216-1217 MHz	FX	500KA2D	1 W (ERP)	
1252-1253 MHz	FX	250KF2D	1 W (ERP)	
1252-1253 MHz	FX	50K0F2D	1 W (ERP)	

Frequency Information

Spokane (SPOKANE), WA - NL 47-41-08; WL 117-11-46; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1252-1253 MHz	FX	12K5F2D	1 W (ERP)	
1252-1253 MHz	FX	500KA2D	1 W (ERP)	
1252-1253 MHz	FX	250KA2D	1 W (ERP)	
1252-1253 MHz	FX	50K0A2D	1 W (ERP)	
1252-1253 MHz	FX	12K5A2D	1 W (ERP)	
1252-1253 MHz	FX	500KF2D	1 W (ERP)	

Raleigh (WAKE), NC - NL 35-43-59; WL 79-39-02; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
183.5-188 MHz	FX	500KF2D	1 W (ERP)	
183.5-188 MHz	FX	50K0F2D	1 W (ERP)	
183.5-188 MHz	FX	12K5F2D	1 W (ERP)	
183.5-188 MHz	FX	50K0A2D	1 W (ERP)	
183.5-188 MHz	FX	12K5A2D	1 W (ERP)	
183.5-188 MHz	FX	250KF2D	1 W (ERP)	
183.5-188 MHz	FX	500KA2D	1 W (ERP)	
183.5-188 MHz	FX	250KA2D	1 W (ERP)	
427-435 MHz	FX	12K5F2D	1 W (ERP)	
427-435 MHz	FX	50K0F2D	1 W (ERP)	
427-435 MHz	FX	250KF2D	1 W (ERP)	
427-435 MHz	FX	500KF2D	1 W (ERP)	
427-435 MHz	FX	12K5A2D	1 W (ERP)	
427-435 MHz	FX	50K0A2D	1 W (ERP)	

Frequency Information

Raleigh (WAKE), NC - NL 35-43-59; WL 79-39-02; MOBILE: , within 51 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
427-435 MHz	FX	250KA2D	1 W (ERP)	
427-435 MHz	FX	500KA2D	1 W (ERP)	
868-870 MHz	FX	50K0F2D	1 W (ERP)	
868-870 MHz	FX	250KF2D	1 W (ERP)	
868-870 MHz	FX	500KF2D	1 W (ERP)	
868-870 MHz	FX	12K5A2D	1 W (ERP)	
868-870 MHz	FX	50K0A2D	1 W (ERP)	
868-870 MHz	FX	12K5F2D	1 W (ERP)	
868-870 MHz	FX	250KA2D	1 W (ERP)	
868-870 MHz	FX	500KA2D	1 W (ERP)	
1216-1217 MHz	FX	50K0F2D	1 W (ERP)	
1216-1217 MHz	FX	12K5F2D	1 W (ERP)	
1216-1217 MHz	FX	500KA2D	1 W (ERP)	
1216-1217 MHz	FX	250KA2D	1 W (ERP)	
1216-1217 MHz	FX	50K0A2D	1 W (ERP)	
1216-1217 MHz	FX	250KF2D	1 W (ERP)	
1216-1217 MHz	FX	12K5A2D	1 W (ERP)	
1216-1217 MHz	FX	500KF2D	1 W (ERP)	
1252-1253 MHz	FX	250KA2D	1 W (ERP)	
1252-1253 MHz	FX	50K0A2D	1 W (ERP)	
1252-1253 MHz	FX	12K5A2D	1 W (ERP)	
1252-1253 MHz	FX	500KF2D	1 W (ERP)	
1252-1253 MHz	FX	250KF2D	1 W (ERP)	
1252-1253 MHz	FX	500KA2D	1 W (ERP)	
1252-1253 MHz	FX	50K0F2D	1 W (ERP)	
1252-1253 MHz	FX	12K5F2D	1 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 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.
- (4) Operations in the 868-870 MHz band are to be prior coordinated with Cellular Block A Licensees Area Coordinator, Mark Dundas, at:

Minnesota Southern Cellular Telephone Company d/b/a HickoryTech Wireless
1640 MADISON AVENUE
MANKATO, MN 56001
(507)625 2355

- (5) Operation on frequencies in the 868 - 870 MHz band allocated to the land mobile public safety service must be coordinated with the designated land mobile public safety coordinator.