

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

EXPERIMENTAL

(Nature of Service)

WK2XOZ

(Call Sign)

XE FX MO

(Class of Station)

0646-EX-CR-2020

(File Number)

NAME Motorola Solutions, 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(j) of the Commission's Rules

Station Locations

- (1) Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 42-05-52; WL 88-20-40

Frequency Information

Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
255 MHz	FX	21K0D1W	10 uW (ERP)	0.01 %
255 MHz	MO	21K0D1W	10 uW (ERP)	0.001 %
350-400 MHz	FX	21K0D1W 8K10F1D 9K80D7W 8K10F1E 8K10F1W 9K80F1D 9K80F1E	10 uW (ERP)	0.001 %

This authorization effective February 01, 2021 and
will expire 3:00 A.M. EST December 30, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
350-400 MHz	FX	9K80F1W	10 uW (ERP)	0.001 %
350-400 MHz	MO	21K0D1W 8K10F1D 8K10F1E 8K10F1W 9K80D7W 9K80F1D 9K80F1E 9K80F1W	10 uW (ERP)	0.001 %
406.1-430 MHz	FX	21K0D1W	10 uW (ERP)	0.001 %
406.1-430 MHz	MO	21K0D1W	10 uW (ERP)	0.001 %
440-470 MHz	FX	21K0D1W 8K10F1D 8K10F1E 8K10F1W 9K80D7W 9K80F1D 9K80F1E 9K80F1E 9K80F1W	10 uW (ERP)	0.001 %
440-470 MHz	MO	21K0D1W 8K10F1D 8K10F1E 8K10F1W	10 uW (ERP)	0.001 %

Frequency Information

Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440-470 MHz	MO	9K80D7W 9K80F1D 9K80F1E 9K80F1W	10 uW (ERP)	0.001 %
806-817 MHz	FX	21K0D1W	10 uW (ERP)	0.001 %
806-817 MHz	MO	21K0D1W 21K0D1W 21K0D1W	10 uW (ERP)	0.001 %

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Operation subject to consent of the following licensees within 5 miles of the contours of the testing area:
 Paging Service licensees in 454 MHz/459 MHz
 General Aviation Air-Ground Service in 454 MHz/459 MHz
 SMR licensees (809-824 MHz/854-869 MHz)
 B/ILT licensees (809-824 MHz/854-869 MHz)
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) The stop buzzer point of contact is Gregory Buchwald at (815) 351-4020.