

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

KB2XWO

(Call Sign)

0109-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(g) of the Commission's Rules

Station Locations

- (1) SCHAUMBURG (COOK), IL - NL 42-03-54; WL 88-02-54; MOBILE: SCHAUMBURG, IL, within 113 km, centered around NL 42-03-54; WL 88-02-54
- (2) CHICAGO (COOK), IL - NL 41-58-43; WL 87-50-34
- (3) PALATINE (COOK), IL - NL 42-07-23; WL 88-02-08
- (4) Chicago (COOK), IL - NL 41-52-51; WL 87-38-24; MOBILE: Chicago (COOK), IL, within 113 km, centered around NL 41-52-51; WL 87-38-24

Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-54; WL 88-02-54; MOBILE: SCHAUMBURG, IL, within 113 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-824 MHz	MO	15K0F2D	80 W (ERP)	
		16K0F3E		
		16K0F8D		
		20K0F1E		
		20K0W1W		
		20K0W7W		
		8K80D1W		
		16K8F1E		
		8K10F1E		

This authorization effective June 01, 2020 and
will expire 3:00 A.M. EST June 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-54; WL 88-02-54; MOBILE: SCHAUMBURG, IL, within 113 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
851-869 MHz	FX	15K0F2D 16K0F3E 16K0F8D 20K0F1E 20K0W1W 20K0W7W 8K80D1W 16K8F1E 8K10F1E 8K10D7W 9K80D7W	250 W (ERP)	

851-869 MHz	MO	15K0F2D 16K0F3E 16K0F8D 20K0F1E 20K0W1W 20K0W7W 8K80D1W 16K8F1E 8K10F1E	80 W (ERP)	
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CHICAGO (COOK), IL - NL 41-58-43; WL 87-50-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
851-869 MHz	FX	15K0F2D 16K0F3E 16K0F8D 16K8F1E 20K0F1E 20K0W1W	250 W (ERP)	

Frequency Information

CHICAGO (COOK), IL - NL 41-58-43; WL 87-50-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
851-869 MHz	FX	20K0W7W 8K10D7W 8K10F1E 8K80D1W 9K80D7W	250 W (ERP)	

PALATINE (COOK), IL - NL 42-07-23; WL 88-02-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
851-869 MHz	FX	15K0F2D 16K0F3E 16K0F8D 20K0F1E 20K0W1W 20K0W7W 8K80D1W 16K8F1E 8K10F1E 8K10D7W 9K80D7W	250 W (ERP)	

Chicago (COOK), IL - NL 41-52-51; WL 87-38-24; MOBILE: Chicago (COOK), IL, within 113 km, centered around NL 41-52-5.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-824 MHz	MO	15K0F2D 16K0F3E 16K0F8D 20K0F1E 20K0W1W	80 W (ERP)	

Frequency Information

Chicago (COOK), IL - NL 41-52-51; WL 87-38-24; MOBILE: Chicago (COOK), IL, within 113 km, centered around NL 41-52-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-824 MHz	MO	20K0W7W 8K80D1W 16K8F1E 8K10F1E	80 W (ERP)	
851-869 MHz	FX	15K0F2D 16K0F3E 16K0F8D 20K0F1E 20K0W1W 20K0W7W 8K80D1W 16K8F1E 8K10F1E 8K10D7W 9K80D7W	250 W (ERP)	
851-869 MHz	MO	15K0F2D 16K0F3E 16K0F8D 20K0F1E 20K0W1W 20K0W7W 8K80D1W 16K8F1E 8K10F1E	80 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Director of Frequency Coordination; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.

Special Conditions:

- (2) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) Operation is subject to consent of the SMR licensees (809-824 MHz/854-869 MHz) within 50 miles of the test area.