

**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)

0064-EX-CM-2017

(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 April 12, 2017 and  
will expire 3:00 A.M. EST June 01, 2018

**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<br>16K0F3E<br>16K0F8D<br>20K0F1E<br>20K0W1W<br>20K0W7W<br>8K80D1W<br>16K8F1E<br>8K10F1E<br>8K10D7W<br>9K80D7W | 250 W (ERP)      |                           |

|             |    |                                                                                                 |            |  |
|-------------|----|-------------------------------------------------------------------------------------------------|------------|--|
| 851-869 MHz | MO | 15K0F2D<br>16K0F3E<br>16K0F8D<br>20K0F1E<br>20K0W1W<br>20K0W7W<br>8K80D1W<br>16K8F1E<br>8K10F1E | 80 W (ERP) |  |
|-------------|----|-------------------------------------------------------------------------------------------------|------------|--|

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<br>16K0F3E<br>16K0F8D<br>16K8F1E<br>20K0F1E<br>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<br>8K10D7W<br>8K10F1E<br>8K80D1W<br>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<br>16K0F3E<br>16K0F8D<br>20K0F1E<br>20K0W1W<br>20K0W7W<br>8K80D1W<br>16K8F1E<br>8K10F1E<br>8K10D7W<br>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<br>16K0F3E<br>16K0F8D<br>20K0F1E<br>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<br>8K80D1W<br>16K8F1E<br>8K10F1E                                                                              | 80 W (ERP)       |                           |
| 851-869 MHz | FX            | 15K0F2D<br>16K0F3E<br>16K0F8D<br>20K0F1E<br>20K0W1W<br>20K0W7W<br>8K80D1W<br>16K8F1E<br>8K10F1E<br>8K10D7W<br>9K80D7W | 250 W (ERP)      |                           |
| 851-869 MHz | MO            | 15K0F2D<br>16K0F3E<br>16K0F8D<br>20K0F1E<br>20K0W1W<br>20K0W7W<br>8K80D1W<br>16K8F1E<br>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) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (6) Operation is subject to consent of the SMR licensees (809-824 MHz/854-869 MHz) within 50 miles of the test area.