

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

EXPERIMENTAL

(Nature of Service)

KB2XWO

(Call Sign)

XD      FX MO

(Class of Station)

0076-EX-RR-2010

(File Number)

NAME MOTOROLA, 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: , within 113 km
- (2) CHICAGO (COOK), IL - NL 41-58-43; WL 87-50-34
- (3) PALATINE (COOK), IL - NL 42-07-23; WL 88-02-08

Frequency Information

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

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

This authorization effective June 01, 2010 and  
will expire 3:00 A.M. EST June 01, 2012

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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

| Frequency   | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 851-869 MHz | FX            | 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<br>20K0W7W | 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            | 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)      |                           |

## Special Conditions:

- (1) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (2) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Ronald Haraseth; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.