

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WE2XDR

(Call Sign)

0155-EX-ML-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(i) of the Commission's Rules

Station Locations

- (1) SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered around NL 42-03-44; WL 88-03-09
- (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 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered around

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 450.125 MHz | FX            |                     | 250 W (ERP)      |                           |
|             |               | 20K0F1E             |                  |                           |
|             |               | 20K0F1D             |                  |                           |
|             |               | 15K0F2D             |                  |                           |
|             |               | 16K0F3E             |                  |                           |
|             |               | 16K0F3D             |                  |                           |
|             |               | 8K10F1W             |                  |                           |
|             |               | 9K90F1W             |                  |                           |
|             |               | 7K60FXE             |                  |                           |
|             |               | 7K60FXD             |                  |                           |
|             |               | 11K0F3E             |                  |                           |

This authorization effective March 11, 2011 and  
will expire 3:00 A.M. EST July 01, 2012

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered arc

| Frequency    | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 451.4375 MHz | FX            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 451.4375 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 451.525 MHz  | FX            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 451.6 MHz    | FX            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W            | 250 W (ERP)      |                           |

## Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered around

| Frequency  | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 451.6 MHz  | FX            | 9K90F1W                                                                   | 250 W (ERP)      |                           |
| 451.6 MHz  | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 451.65 MHz | FX            | 15K0F2D<br>16K0F3E<br>16K0F3D<br>20K0F1E<br>20K0F1D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 451.65 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 451.7 MHz  | FX            | 15K0F2D<br>16K0F3E<br>16K0F3D<br>20K0F1E                                  | 250 W (ERP)      |                           |

## Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered around

| Frequency | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 451.7 MHz | FX            | 20K0F1D<br>8K10F1W<br>9K90F1W                                                                              | 250 W (ERP)      |                           |
| 451.7 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W                                  | 100 W (ERP)      |                           |
| 451.8 MHz | FX            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W<br>7K60FXE<br>7K60FXD<br>11K0F3E | 250 W (ERP)      |                           |
| 451.8 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W<br>7K60FXE<br>7K60FXD            | 250 W (ERP)      |                           |

## Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered around

| Frequency   | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 451.8 MHz   | MO            | 11K0F3E                                                                                                    | 250 W (ERP)      |                           |
| 455.025 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W<br>7K60FXE<br>7K60FXD<br>11K0F3E | 250 W (ERP)      |                           |
| 455.075 MHz | MO            | 7K60FXE<br>7K60FXD<br>11K0F3E                                                                              | 250 W (ERP)      |                           |
| 455.085 MHz | MO            | 7K60FXE<br>7K60FXD<br>11K0F3E                                                                              | 250 W (ERP)      |                           |
| 455.125 MHz | MO            | 7K60FXE<br>7K60FXD<br>11K0F3E                                                                              | 250 W (ERP)      |                           |
| 455.2 MHz   | MO            | 7K60FXE<br>7K60FXD                                                                                         | 250 W (ERP)      |                           |

## Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered arc

| Frequency    | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 455.2 MHz    | MO            | 11K0F3E                                                                   | 250 W (ERP)      |                           |
| 455.2125 MHz | MO            | 7K60FXE<br>7K60FXD<br>11K0F3E                                             | 250 W (ERP)      |                           |
| 455.225 MHz  | MO            | 7K60FXE<br>7K60FXD<br>11K0F3E                                             | 250 W (ERP)      |                           |
| 456.4375 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 456.525 MHz  | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 456.6 MHz    | FX            | 15K0F2D<br>16K0F3E<br>16K0F3D                                             | 250 W (ERP)      |                           |

## Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered around

| Frequency  | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 456.6 MHz  | FX            | 20K0F1E<br>20K0F1D                                                        | 250 W (ERP)      |                           |
| 456.6 MHz  | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 456.65 MHz | FX            | 15K0F2D<br>16K0F3E<br>16K0F3D<br>20K0F1E<br>20K0F1D                       | 250 W (ERP)      |                           |
| 456.65 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W | 250 W (ERP)      |                           |
| 456.7 MHz  | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D                       | 250 W (ERP)      |                           |

## Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-44; WL 88-03-09; MOBILE: SCHAUMBURG (COOK), IL, within 113 km, centered arc

| Frequency | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 456.7 MHz | MO            | 8K10F1W<br>9K90F1W                                                                                         | 250 W (ERP)      |                           |
| 456.8 MHz | MO            | 20K0F1E<br>20K0F1D<br>15K0F2D<br>16K0F3E<br>16K0F3D<br>8K10F1W<br>9K90F1W<br>7K60FXE<br>7K60FXD<br>11K0F3E | 250 W (ERP)      |                           |

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

| Frequency    | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|-------------------------------|------------------|---------------------------|
| 450.075 MHz  | FX            | 7K60FXE<br>7K60FXD<br>11K0F3E | 250 W (ERP)      |                           |
| 450.2 MHz    | FX            | 7K60FXD<br>7K60FXE<br>11K0F3E | 250 W (ERP)      |                           |
| 450.2125 MHz | FX            | 7K60FXE<br>7K60FXD            | 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 (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 450.2125 MHz | FX            | 11K0F3E             | 250 W (ERP)      |                           |

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

| Frequency   | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-------------------------------|------------------|---------------------------|
| 450.025 MHz | FX            | 7K60FXE<br>7K60FXD<br>11K0F3E | 250 W (ERP)      |                           |

|             |    |                               |             |  |
|-------------|----|-------------------------------|-------------|--|
| 450.085 MHz | FX | 7K60FXE<br>7K60FXD<br>11K0F3E | 250 W (ERP) |  |
|-------------|----|-------------------------------|-------------|--|

|             |    |                               |             |  |
|-------------|----|-------------------------------|-------------|--|
| 450.225 MHz | FX | 7K60FXE<br>7K60FXD<br>11K0F3E | 250 W (ERP) |  |
|-------------|----|-------------------------------|-------------|--|

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) 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.
- (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.