

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WC2XLI

(Call Sign)

0124-EX-RR-2004

(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 42-03-45; WL 88-03-08; MOBILE: 20 mile radius, centered around NL 42-03-45; WL 88-03-08
- (2) Arlington Heights (COOK), IL - NL 42-08-01; WL 88-00-06; MOBILE: 20 mile radius, centered around NL 42-08-01; WL 88-00-06
- (3) Libertyville (LAKE), IL - NL 42-17-21; WL 88-00-00; MOBILE: 20 mile radius, centered around NL 42-17-21; WL 88-00-00

Frequency Information

Schaumburg (COOK), IL - NL 42-03-45; WL 88-03-08; MOBILE: 20 mile radius, centered around NL 42-03-45; WL 88-03-08

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1920-1980 MHz | FX            | 5M00K0W             | 10 W (ERP)       |                           |
| 1920-1980 MHz | MO            | 5M00K0W             | 10 W (ERP)       |                           |
| 2110-2170 MHz | FX            | 5M00K0W             | 63 W (ERP)       |                           |

This authorization effective October 01, 2004 and  
will expire 3:00 A.M. EST October 01, 2006

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Schaumburg (COOK), IL - NL 42-03-45; WL 88-03-08; MOBILE: 20 mile radius, centered around NL 42-03-45; WL 88-03-08

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2110-2170 MHz | MO            | 5M00K0W             | 63 W (ERP)       |                           |

Arlington Heights (COOK), IL - NL 42-08-01; WL 88-00-06; MOBILE: 20 mile radius, centered around NL 42-08-01; WL 88-00-06

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1920-1980 MHz | FX            | 5M00K0W             | 10 W (ERP)       |                           |
| 1920-1980 MHz | MO            | 5M00K0W             | 10 W (ERP)       |                           |
| 2110-2170 MHz | FX            | 5M00K0W             | 63 W (ERP)       |                           |
| 2110-2170 MHz | MO            | 5M00K0W             | 63 W (ERP)       |                           |

Libertyville (LAKE), IL - NL 42-17-21; WL 88-00-00; MOBILE: 20 mile radius, centered around NL 42-17-21; WL 88-00-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1920-1980 MHz | FX            | 5M00K0W             | 10 W (ERP)       |                           |
| 1920-1980 MHz | MO            | 5M00K0W             | 10 W (ERP)       |                           |

## Frequency Information

Libertyville (LAKE), IL - NL 42-17-21; WL 88-00-00; MOBILE: 20 mile radius, centered around NL 42-17-21; WL 88-00-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2110-2170 MHz | FX            | 5M00K0W             | 63 W (ERP)       |                           |
| 2110-2170 MHz | MO            | 5M00K0W             | 63 W (ERP)       |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (4) Operation in the 1910-1930 MHz band requires coordination with UTAM, Inc. pursuant to Section 15.307 of the Commission's Rules.