

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

EXPERIMENTAL

(Nature of Service)

WE2XFT

(Call Sign)

XE      FX MO

(Class of Station)

0056-EX-ML-2007

(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(b) of the Commission's Rules

Station Locations

- (1) Schaumburg, IL - NL 42-04-17; WL 88-03-21; MOBILE: Schaumburg, IL, two base stations located at temporarily fixed locations and associated mobiles, within 40 km, centered around NL 42-04-17; WL 88-03-21
- (2) Arlington Heights, IL - NL 42-08-14; WL 88-03-21; MOBILE: Arlington Heights, IL, two base stations located at temporarily fixed locations and associated mobiles, within 40 km, centered around NL 42-08-14; WL 88-03-21
- (3) Libertyville, IL - NL 42-17-54; WL 88-00-14; MOBILE: Libertyville, IL, two base stations located at temporarily fixed locations and associated mobiles, within 40 km, centered around NL 42-17-54; WL 88-00-14
- (4) Chicago, IL - NL 41-53-25; WL 87-37-24; MOBILE: Chicago, IL, two base stations located at temporarily fixed locations and associated mobiles, within 40 km, centered around NL 41-53-25; WL 87-37-24
- (5) Austin, TX - NL 30-27-21; WL 97-45-12; MOBILE: Austin, TX, two base stations located at temporarily fixed locations and associated mobiles, within 40 km, centered around NL 30-27-21; WL 97-45-12
- (6) Fort Worth, TX - NL 32-50-48; WL 97-17-23; MOBILE: Fort Worth, TX, two base stations located at temporarily fixed locations and associated mobiles, within 40 km, centered around NL 32-50-48; WL 97-17-23
- (7) MOBILE: Plantation, FL, two base stations located at temporary fixed locations and associated mobiles, within 40 km, centered around NL 26-08-51; WL 80-15-15

This authorization effective October 24, 2007 and  
will expire 3:00 A.M. EST August 01, 2009

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Schaumburg, IL - NL 42-04-17; WL 88-03-21; MOBILE: Schaumburg, IL, two base stations located at temporarily fixed locations

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 3300-3650 MHz | MO            | 20M0W7W<br>10M0W7W<br>7M00W7W<br>5M00W7W<br>10K0N0N | 385 W (ERP)      |                           |

Arlington Heights, IL - NL 42-08-14; WL 88-03-21; MOBILE: Arlington Heights, IL, two base stations located at temporarily fixed locations

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 3300-3650 MHz | MO            | 20M0W7W<br>10M0W7W<br>7M00W7W<br>5M00W7W<br>10K0N0N | 385 W (ERP)      |                           |

Libertyville, IL - NL 42-17-54; WL 88-00-14; MOBILE: Libertyville, IL, two base stations located at temporarily fixed locations

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 3300-3650 MHz | MO            | 20M0W7W<br>10M0W7W<br>7M00W7W<br>5M00W7W<br>10K0N0N | 385 W (ERP)      |                           |

## Frequency Information

Chicago, IL - NL 41-53-25; WL 87-37-24; MOBILE: Chicago, IL, two base stations located at temporarily fixed locations and a

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 3300-3650 MHz | MO            | 20M0W7W<br>10M0W7W<br>7M00W7W<br>5M00W7W<br>10K0N0N | 385 W (ERP)      |                           |

Austin, TX - NL 30-27-21; WL 97-45-12; MOBILE: Austin, TX, two base stations located at temporarily fixed locations and as

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 3300-3650 MHz | MO            | 20M0V7W<br>10M0W7W<br>7M00W7W<br>5M00W7W<br>10K0N0N | 385 W (ERP)      |                           |

Fort Worth, TX - NL 32-50-48; WL 97-17-23; MOBILE: Fort Worth, TX, two base stations located at temporarily fixed location:

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 3300-3650 MHz | MO            | 20M0W7W<br>10M0W7W<br>7M00W7W<br>5M00W7W<br>10K0N0N | 385 W (ERP)      |                           |

## Frequency Information

MOBILE: Plantation, FL, two base stations located at temporary fixed locations and associated mobiles, within 40 km, centered around NL 26-08-51; WL 80-15-15

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 3300-3650 MHz | MO            | 10K0N0N<br>10M0W7W<br>20M0W7W<br>5M00W7W<br>7M00W7W | 385 W (ERP)      |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) No WiMAX equipment in the band 3300-3650 MHz will be offered for U.S. sales.
- (4) No equipment shall be developed in this band for use in the U.S. since it is a federal government band for radiolocation. Any development for use in the U.S. needs to be done in an approved FCC band. WiMAX should not be developed in the band 3300-3650 MHz for U.S. sales.
- (5) Motorola, Inc., needs to be aware of possible interference from high power government radars in the band 3300-3650 MHz.
- (6) This authorization is for equipment that is intended for export only.