

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WC9XQF

(Call Sign)

XE FX MO

(Class of Station)

0354-EX-ST-2006

(File Number)

NAME Motorola, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Test and demonstrate prototype hardware and software associated with fourth generation (4G) cellular and wireless data communications that will meet the IEEE 802.16 standard for export.

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

This authorization effective July 01, 2006 and
will expire 3:00 A.M. EST January 02, 2007

**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 10M0W7W 7M00W7W 5M00W7W 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 10M0W7W 7M00W7W 5M00W7W 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 10M0W7W 7M00W7W 5M00W7W 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 10M0W7W 7M00W7W 5M00W7W 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 10M0W7W 7M00W7W 5M00W7W 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 10M0W7W 7M00W7W 5M00W7W 10K0N0N	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) No WiMAX equipment in the band 3300-3650 MHz will be offered for U.S. sales.

Special Conditions:

- (3) 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.
- (4) Motorola, Inc., needs to be aware of possible interference from high power government radars in the band 3300-3650 MHz.
- (5) This STA is for equipment that is intended for export only.