

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WD2XCM

(Call Sign)

0047-EX-ML-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(d) of the Commission's Rules

Station Locations

- (1) Schaumburg, IL - NL 42-02-39; WL 88-02-36; MOBILE: , within 32 km
- (2) Chicago, IL - NL 41-52-54; WL 87-38-29; MOBILE: , within 32 km
- (3) Plantation, FL - NL 27-08-51; WL 80-15-15; MOBILE: , within 32 km
- (4) Chicago, IL - NL 41-58-46; WL 87-54-16; MOBILE: O'Hare International Airport, within 32 km
- (5) (NEW YORK), NY - NL 40-38-23; WL 73-46-44; MOBILE: John F. Kennedy International Airport, within 32 km
- (6) Dulles, VA - NL 38-56-40; WL 77-27-21; MOBILE: Washington Dulles International Airport, within 32 km
- (7) Los Angeles, CA - NL 33-56-33; WL 118-24-29; MOBILE: Los Angeles International Airport, within 32 km
- (8) San Francisco, CA - NL 37-37-08; WL 122-22-26; MOBILE: San Francisco International Airport, within 32 km
- (9) Baltimore, MD - NL 39-10-31; WL 76-40-06; MOBILE: Baltimore-Washington International Airport, within 32 km
- (10) New York, NY - NL 40-44-12; WL 73-59-43; MOBILE: New York City, within 32 km
- (11) Washington, DC - NL 38-53-23; WL 77-02-10; MOBILE: Washington, DC, within 32 km
- (12) Los Angeles, CA - NL 34-06-44; WL 118-24-40; MOBILE: Los Angeles, within 32 km
- (13) Tulsa, OK - NL 36-12-53; WL 95-55-23; MOBILE: Within 32 km, within 32 km

This authorization effective August 02, 2004 and
will expire 3:00 A.M. EST June 01, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

Schaumburg, IL - NL 42-02-39; WL 88-02-36; MOBILE: , within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Chicago, IL - NL 41-52-54; WL 87-38-29; MOBILE: , within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Plantation, FL - NL 27-08-51; WL 80-15-15; MOBILE: , within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Frequency Information

Chicago, IL - NL 41-58-46; WL 87-54-16; MOBILE: O'Hare International Airport, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

(NEW YORK), NY - NL 40-38-23; WL 73-46-44; MOBILE: John F. Kennedy International Airport, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Dulles, VA - NL 38-56-40; WL 77-27-21; MOBILE: Washington Dulles International Airport, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Frequency Information

Los Angeles, CA - NL 33-56-33; WL 118-24-29; MOBILE: Los Angeles International Airport, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

San Francisco, CA - NL 37-37-08; WL 122-22-26; MOBILE: San Francisco International Airport, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Baltimore, MD - NL 39-10-31; WL 76-40-06; MOBILE: Baltimore-Washington International Airport, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Frequency Information

New York, NY - NL 40-44-12; WL 73-59-43; MOBILE: New York City, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Washington, DC - NL 38-53-23; WL 77-02-10; MOBILE: Washington, DC, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Los Angeles, CA - NL 34-06-44; WL 118-24-40; MOBILE: Los Angeles, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Frequency Information

Tulsa, OK - NL 36-12-53; WL 95-55-23; MOBILE: Within 32 km, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4940-4990 MHz	FX	20M0D7W	1 W (Output Power)	
4940-4990 MHz	MO	20M0D7W	1 W (Output Power)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Operations in this band must be coordinated with the existing and future users to avoid interference.
- (3) Operation under this license is only for testing and demonstrating 4.9 GHz public safety equipment.