

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

EXPERIMENTAL

(Nature of Service)

WE2XDR

(Call Sign)

XD FX MO

(Class of Station)

0648-EX-PL-2006

(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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.4375 MHz	FX	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.4375 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E	250 W (ERP)	0.005 %

This authorization effective July 13, 2007 and
will expire 3:00 A.M. EST July 01, 2010

**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	MO	16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.525 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.525 MHz	FX	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.6 MHz	FX	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.6 MHz	MO	20K0F1E 20K0F1D	250 W (ERP)	0.005 %

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 (+/-)
451.6 MHz	MO	15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.65 MHz	FX	15K0F2D 16K0F3E 16K0F3D 20K0F1E 20K0F1D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.65 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.7 MHz	FX	15K0F2D 16K0F3E 16K0F3D 20K0F1E 20K0F1D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %

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 (+/-)
451.7 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	100 W (ERP)	0.005 %
451.8 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
451.8 MHz	FX	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
456.4375 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W	250 W (ERP)	0.005 %

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 (+/-)
456.4375 MHz	MO	9K90F1W	250 W (ERP)	0.005 %
456.525 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
456.6 MHz	FX	15K0F2D 16K0F3E 16K0F3D 20K0F1E 20K0F1D	250 W (ERP)	0.005 %
456.6 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
456.65 MHz	FX	15K0F2D 16K0F3E 16K0F3D 20K0F1E 20K0F1D	250 W (ERP)	0.005 %

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 (+/-)
456.65 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
456.7 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %
456.8 MHz	MO	20K0F1E 20K0F1D 15K0F2D 16K0F3E 16K0F3D 8K10F1W 9K90F1W	250 W (ERP)	0.005 %

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.

Special Conditions:

- (3) Operation using the frequencies 451.4375 MHz, 451.525 MHz, 451.6 MHz, 451.65 MHz, 451.7 MHz, or 451.8 MHz 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](mailto:executivedir@sbe.org); information, www.sbe.org.