

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

EXPERIMENTAL

(Nature of Service)

KB2XDW

(Call Sign)

XD FX MO

(Class of Station)

0064-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 42-03-54; WL 88-02-54; MOBILE: Schaumburg. IL, within 113 km
- (2) CAROL STREAM (DU PAGE), IL - NL 41-53-55; WL 88-05-48
- (3) CHICAGO (COOK), IL - NL 41-58-43; WL 87-50-34
- (4) PALANTINE (COOK), IL - NL 42-07-23; WL 88-02-08
- (5) MCHENRY (LAKE), IL - NL 42-21-20; WL 88-19-00

Frequency Information

SCHAUMBURG (COOK), IL - NL 42-03-54; WL 88-02-54; MOBILE: Schaumburg. IL, within 113 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.8625 MHz	FX		500 W (ERP)	0.005 %
157.9125 MHz	FX		500 W (ERP)	0.005 %
157.925 MHz	FX		500 W (ERP)	0.005 %
159.27 MHz	FX		500 W (ERP)	0.005 %
159.42 MHz	FX		1.5 kW (ERP)	0.005 %
161.8125 MHz	FX		500 W (ERP)	0.005 %
161.8625 MHz	FX		500 W (ERP)	0.005 %
161.8875 MHz	FX		500 W (ERP)	0.005 %
161.9125 MHz	FX		500 W (ERP)	0.005 %
161.925 MHz	FX		500 W (ERP)	0.005 %

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

CAROL STREAM (DU PAGE), IL - NL 41-53-55; WL 88-05-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.8625 MHz	FX		500 W (ERP)	0.005 %
157.9125 MHz	FX		500 W (ERP)	0.005 %
157.925 MHz	FX		500 W (ERP)	0.005 %
159.27 MHz	FX		500 W (ERP)	0.005 %
159.42 MHz	FX		500 W (ERP)	0.005 %
161.8125 MHz	FX		500 W (ERP)	0.005 %
161.8625 MHz	FX		500 W (ERP)	0.005 %
161.8875 MHz	FX		500 W (ERP)	0.005 %
161.9125 MHz	FX		500 W (ERP)	0.005 %
161.925 MHz	FX		500 W (ERP)	0.005 %

CHICAGO (COOK), IL - NL 41-58-43; WL 87-50-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.8625 MHz	FX		500 W (ERP)	0.005 %
157.9125 MHz	FX		500 W (ERP)	0.005 %
157.925 MHz	FX		500 W (ERP)	0.005 %
159.27 MHz	FX		500 W (ERP)	0.005 %
159.42 MHz	FX		500 W (ERP)	0.005 %
161.8125 MHz	FX		500 W (ERP)	0.005 %
161.8625 MHz	FX		500 W (ERP)	0.005 %
161.8875 MHz	FX		500 W (ERP)	0.005 %
161.9125 MHz	FX		500 W (ERP)	0.005 %
161.925 MHz	FX		500 W (ERP)	0.005 %

PALANTINE (COOK), IL - NL 42-07-23; WL 88-02-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.8625 MHz	FX		500 W (ERP)	0.005 %
157.9125 MHz	FX		500 W (ERP)	0.005 %
157.925 MHz	FX		500 W (ERP)	0.005 %
159.27 MHz	FX		500 W (ERP)	0.005 %
159.42 MHz	FX		500 W (ERP)	0.005 %
161.8125 MHz	FX		500 W (ERP)	0.005 %
161.8625 MHz	FX		500 W (ERP)	0.005 %
161.8875 MHz	FX		500 W (ERP)	0.005 %

Frequency Information

PALANTINE (COOK), IL - NL 42-07-23; WL 88-02-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
161.9125 MHz	FX		500 W (ERP)	0.005 %
161.925 MHz	FX		500 W (ERP)	0.005 %

MCHENRY (LAKE), IL - NL 42-21-20; WL 88-19-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.8625 MHz	FX		500 W (ERP)	0.005 %
157.9125 MHz	FX		500 W (ERP)	0.005 %
157.925 MHz	FX		500 W (ERP)	0.005 %
159.27 MHz	FX		500 W (ERP)	0.005 %
159.42 MHz	FX		500 W (ERP)	0.005 %
161.8125 MHz	FX		500 W (ERP)	0.005 %
161.8625 MHz	FX		500 W (ERP)	0.005 %
161.8875 MHz	FX		500 W (ERP)	0.005 %
161.9125 MHz	FX		500 W (ERP)	0.005 %
161.925 MHz	FX		500 W (ERP)	0.005 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Licensee is authorized to use various emissions and bandwidths during the experiment.