

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

EXPERIMENTAL
(Nature of Service)

WC2XYJ
(Call Sign)

XD FX MO
(Class of Station)

0178-EX-PL-2002
(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 42-03-59; WL 88-02-50; MOBILE: Schaumburg (COOK), IL, within 40 km, centered around NL 42-03-59; WL 88-02-50
- (2) Chicago (COOK), IL - NL 41-58-42; WL 87-50-39; MOBILE: Chicago (COOK), IL, within 40 km, centered around NL 41-58-42; WL 87-50-39

Frequency Information

Schaumburg (COOK), IL - NL 42-03-59; WL 88-02-50; MOBILE: Schaumburg (COOK), IL, within 40 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-822 MHz	MO	20K0V7W	0.6 W (ERP)	
851-867 MHz	FX	20K0W7W	190 W (ERP)	
890-960 MHz	FX	20K0W7W	190 W (ERP)	
890-960 MHz	MO	20K0V7W	0.6 W (ERP)	

Chicago (COOK), IL - NL 41-58-42; WL 87-50-39; MOBILE: Chicago (COOK), IL, within 40 km, centered around NL 41-58-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-822 MHz	MO	20K0V7W	0.6 W (ERP)	
851-867 MHz	FX	20K0V7W	190 W (ERP)	
890-960 MHz	FX	20K0V7W	190 W (ERP)	
890-960 MHz	MO	20K0V7W	0.6 W (ERP)	

This authorization effective September 16, 2002 and
will expire 3:00 A.M. EST October 01, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) 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.
- (4) Operation 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; information, www.sbe.org.
- (5) Operations on frequencies allocated to the fixed microwave service must be prior coordinated with existing fixed microwave stations in accordance with Section 101.103(d).
- (6) Prior approval must be obtained from the market area licensee in the Multiple Address System Radio Service for operation on any frequency in the 932.0 - 932.25 MHz, 941.0 - 941.25 MHz, 928.85 - 929.0 MHz or 959.85 - 960 MHz band.
- (7) Operations in the bands 928.0 - 929.0 MHz, 932.25 - 932.5 MHz, 941.25 - 942.5 MHz, 952.0 - 952.85 MHz, 956.25 - 956.45 MHz, or 959.85 - 960 MHz is prohibited on frequencies where the separation to any existing cochannel station is less than 145 km(90 miles).
- (8) Operations on frequencies in the bands allocated to the land mobile business industrial service must be coordinated with the designated land mobile business industrial coordinator.
- (9) Operations on frequencies in bands allocated to the commercial mobile radio service must be coordinated with commercial mobile radio service licensees.
- (10) Operations on frequencies in bands allocated to the land mobile public safety service must be coordinated with the designated land mobile public safety coordinator.