

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

EXPERIMENTAL

(Nature of Service)

WF2XBB

(Call Sign)

XD FX MO

(Class of Station)

0204-EX-PL-2009

(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, i) of the Commission's Rules

Station Locations

- (1) Schaumburg, IL - NL 42-04-03; WL 88-03-05; MOBILE: Schaumburg, IL, within 25 km, centered around NL 42-04-03; WL 88-03-05
- (2) Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: Arlington Heights, IL, within 25 km, centered around NL 42-08-08; WL 87-59-56
- (3) Arlington Heights, IL - NL 42-08-14; WL 87-58-57; MOBILE: Arlington Heights, IL, within 25 km, centered around NL 42-08-14; WL 87-58-57
- (4) Palatine, IL - NL 42-06-11; WL 88-01-24; MOBILE: Palatine, IL, within 25 km, centered around NL 42-06-11; WL 88-01-24
- (5) Palatine, IL - NL 42-09-12; WL 88-02-11; MOBILE: Palatine, IL, within 25 km, centered around NL 42-09-12; WL 88-02-11

Frequency Information

Schaumburg, IL - NL 42-04-03; WL 88-03-05; MOBILE: Schaumburg, IL, within 25 km, centered around NL 42-04-03; WL 88-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	FX		125 W (ERP)	
		20M0D7D		
		20M0W7W		
		20M0G2D		
		20M0G7D		

This authorization effective June 26, 2009 and
will expire 3:00 A.M. EST July 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Schaumburg, IL - NL 42-04-03; WL 88-03-05; MOBILE: Schaumburg, IL, within 25 km, centered around NL 42-04-03; WL 88-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	MO	20M0D7D 20M0G2D 20M0W7W 20M0G7D	0.6 W (ERP)	

Arlington Heights, IL - NL 42-08-08; WL 87-59-56; MOBILE: Arlington Heights, IL, within 25 km, centered around NL 42-08-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	MO	20M0D7D 20M0G7D 20M0W7W 20M0G2D	0.6 W (ERP)	

2500-2655 MHz	FX	20M0D7D 20M0G7D 20M0W7W 20M0G2D	125 W (ERP)	
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Arlington Heights, IL - NL 42-08-14; WL 87-58-57; MOBILE: Arlington Heights, IL, within 25 km, centered around NL 42-08-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	FX	20M0D7D 20M0G7D 20M0W7W 20M0G2D	125 W (ERP)	

Frequency Information

Arlington Heights, IL - NL 42-08-14; WL 87-58-57; MOBILE: Arlington Heights, IL, within 25 km, centered around NL 42-08-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	MO	20M0D7D 20M0G7D 20M0W7W 20M0G2D	0.6 W (ERP)	

Palatine, IL - NL 42-06-11; WL 88-01-24; MOBILE: Palatine, IL, within 25 km, centered around NL 42-06-11; WL 88-01-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	FX	20M0D7D 20M0G7D 20M0W7W 20M0G2D	125 W (ERP)	

2500-2655 MHz	MO	20M0D7D 20M0G7D 20M0W7W 20M0G2D	0.6 W (ERP)	
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Palatine, IL - NL 42-09-12; WL 88-02-11; MOBILE: Palatine, IL, within 25 km, centered around NL 42-09-12; WL 88-02-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	FX	20M0D7D 20M0G2D 20M0W7W 20M0G7D	125 W (ERP)	

Frequency Information

Palatine, IL - NL 42-09-12; WL 88-02-11; MOBILE: Palatine, IL, within 25 km, centered around NL 42-09-12; WL 88-02-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2655 MHz	MO	20M0D7D 20M0W7W 20M0G2D 20M0G7D	0.6 W (ERP)	

Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (2) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Licensee is authorized to operate up to 5 base stations and 50 mobile units for all experiments combined under this authorization.