

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WC2XZT

(Call Sign)

0171-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 80 km, centered around NL 42-03-54; WL 88-02-54
- (2) Lake Zurich (LAKE), IL - NL 42-14-12; WL 88-04-17; MOBILE: Lake Zurich, IL, within 80 km, centered around NL 42-14-12; WL 88-04-17
- (3) Chicago Ridge (COOK), IL - NL 41-42-31; WL 87-47-02; MOBILE: Chicago Ridge, IL, within 80 km, centered around NL 41-42-31; WL 87-47-02
- (4) Mount Lukens (LOS ANGELES), CA - NL 34-16-08; WL 118-14-20; MOBILE: Mount Lukens, CA, within 80 km, centered around NL 34-16-08; WL 118-14-20
- (5) Santiago Peak (ORANGE), CA - NL 33-42-39; WL 117-32-04; MOBILE: Santiago Peak, CA, within 80 km, centered around NL 33-42-39; WL 117-32-04

Frequency Information

Schaumburg (COOK), IL - NL 42-03-54; WL 88-02-54; MOBILE: Schaumburg, IL, within 80 km, centered around NL 42-03-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	MO	11K0F3E	3.79 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Schaumburg (COOK), IL - NL 42-03-54; WL 88-02-54; MOBILE: Schaumburg, IL, within 80 km, centered around NL 42-03-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
220-222 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
220-222 MHz	MO	11K0F3E	60 W (ERP)	
220-222 MHz	MO	11K0F3E	3.79 W (ERP)	

Lake Zurich (LAKE), IL - NL 42-14-12; WL 88-04-17; MOBILE: Lake Zurich, IL, within 80 km, centered around NL 42-14-12; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	
218-219 MHz	MO	11K0F3E	3.79 W (ERP)	
220-222 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	

Frequency Information

Lake Zurich (LAKE), IL - NL 42-14-12; WL 88-04-17; MOBILE: Lake Zurich, IL, within 80 km, centered around NL 42-14-12; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
220-222 MHz	MO	11K0F3E	60 W (ERP)	
220-222 MHz	MO	11K0F3E	3.79 W (ERP)	

Chicago Ridge (COOK), IL - NL 41-42-31; WL 87-47-02; MOBILE: Chicago Ridge, IL, within 80 km, centered around NL 41-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	
218-219 MHz	MO	11K0F3E	3.79 W (ERP)	
220-222 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
220-222 MHz	MO	11K0F3E	60 W (ERP)	
220-222 MHz	MO	11K0F3E	3.79 W (ERP)	

Frequency Information

Mount Lukens (LOS ANGELES), CA - NL 34-16-08; WL 118-14-20; MOBILE: Mount Lukens, CA, within 80 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	
218-219 MHz	MO	11K0F3E	3.79 W (ERP)	
220-222 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
220-222 MHz	MO	11K0F3E	60 W (ERP)	
220-222 MHz	MO	11K0F3E	3.79 W (ERP)	

Santiago Peak (ORANGE), CA - NL 33-42-39; WL 117-32-04; MOBILE: Santiago Peak, CA, within 80 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	

Frequency Information

Santiago Peak (ORANGE), CA - NL 33-42-39; WL 117-32-04; MOBILE: Santiago Peak, CA, within 80 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	MO	11K0F3E	3.79 W (ERP)	
220-222 MHz	FX	11K0F3E 11K0F2D	30 W (ERP)	
220-222 MHz	MO	11K0F3E	60 W (ERP)	
220-222 MHz	MO	11K0F3E	3.79 W (ERP)	

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) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Ronald Haraseth; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (4) Operations on land mobile frequencies must be prior coordinated with the designated land mobile business industrial coordinator.
- (5) Operations must be prior coordinated with existing IVDS licensees within the immediate area of the transmitting locations.