

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WB9XPO

(Call Sign)

XD FX MO

(Class of Station)

0103-EX-ST-2002

(File Number)

NAME Motorola, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Test and demonstration of prototype 220 MHz equipment.

Station Locations

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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	MO	11K0F3E	60 W (ERP)	
218-219 MHz	MO	11K0F3E	1.75 W (ERP)	
218-219 MHz	FX	11K0F3E	25 W (ERP)	
218-219 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	MO	11K0F3E	60 W (ERP)	
220-220.55 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	FX	11K0F3E	25 W (ERP)	

This authorization effective March 07, 2002 and
will expire 3:00 A.M. EST September 07, 2002

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
220-220.55 MHz	MO	11K0F3E	1.75 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	60 W (ERP)	
220.6-220.8 MHz	FX	11K0F3E	25 W (ERP)	
220.6-220.8 MHz	FX	11K0F2D	25 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	1.75 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	60 W (ERP)	
220.85-220.9 MHz	FX	11K0F2D	25 W (ERP)	
220.85-220.9 MHz	FX	11K0F3E	25 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	1.75 W (ERP)	
220.925-221 MHz	MO	11K0F3E	60 W (ERP)	
220.925-221 MHz	FX	11K0F2D	25 W (ERP)	
220.925-221 MHz	FX	11K0F3E	25 W (ERP)	
220.925-221 MHz	MO	11K0F3E	1.75 W (ERP)	
221-221.55 MHz	MO	11K0F3E	60 W (ERP)	
221-221.55 MHz	FX	11K0F2D	25 W (ERP)	
221-221.55 MHz	FX	11K0F3E	25 W (ERP)	
221-221.55 MHz	MO	11K0F3E	1.75 W (ERP)	
221.6-221.8 MHz	FX	11K0F3E	25 W (ERP)	
221.6-221.8 MHz	FX	11K0F2D	25 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	60 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	1.75 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	60 W (ERP)	
221.85-221.9 MHz	FX	11K0F2D	25 W (ERP)	
221.85-221.9 MHz	FX	11K0F3E	25 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	1.75 W (ERP)	
221.925-222 MHz	MO	11K0F3E	60 W (ERP)	
221.925-222 MHz	FX	11K0F2D	25 W (ERP)	
221.925-222 MHz	FX	11K0F3E	25 W (ERP)	
221.925-222 MHz	MO	11K0F3E	1.75 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	FX	11K0F2D	25 W (ERP)	
218-219 MHz	FX	11K0F3E	25 W (ERP)	
218-219 MHz	MO	11K0F3E	1.75 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
220-220.55 MHz	FX	11K0F3E	25 W (ERP)	
220-220.55 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	MO	11K0F3E	60 W (ERP)	
220-220.55 MHz	MO	11K0F3E	1.75 W (ERP)	
220.6-220.8 MHz	FX	11K0F2D	25 W (ERP)	
220.6-220.8 MHz	FX	11K0F3E	25 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	60 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	1.75 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	1.75 W (ERP)	
220.85-220.9 MHz	FX	11K0F3E	25 W (ERP)	
220.85-220.9 MHz	FX	11K0F2D	25 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	60 W (ERP)	
220.925-221 MHz	MO	11K0F3E	1.75 W (ERP)	
220.925-221 MHz	FX	11K0F2D	25 W (ERP)	
220.925-221 MHz	FX	11K0F3E	25 W (ERP)	
220.925-221 MHz	MO	11K0F3E	60 W (ERP)	
221-221.55 MHz	MO	11K0F3E	1.75 W (ERP)	
221-221.55 MHz	FX	11K0F3E	25 W (ERP)	
221-221.55 MHz	FX	11K0F2D	25 W (ERP)	
221-221.55 MHz	MO	11K0F3E	60 W (ERP)	
221.6-221.8 MHz	FX	11K0F2D	25 W (ERP)	
221.6-221.8 MHz	FX	11K0F3E	25 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	1.75 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	60 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	1.75 W (ERP)	
221.85-221.9 MHz	FX	11K0F3E	25 W (ERP)	
221.85-221.9 MHz	FX	11K0F2D	25 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	60 W (ERP)	
221.925-222 MHz	MO	11K0F3E	1.75 W (ERP)	
221.925-222 MHz	FX	11K0F2D	25 W (ERP)	
221.925-222 MHz	FX	11K0F3E	25 W (ERP)	
221.925-222 MHz	MO	11K0F3E	60 W (ERP)	

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

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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	MO	11K0F3E	1.75 W (ERP)	
218-219 MHz	FX	11K0F3E	25 W (ERP)	
218-219 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	MO	11K0F3E	60 W (ERP)	
220-220.55 MHz	MO	11K0F3E	1.75 W (ERP)	
220-220.55 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	FX	11K0F3E	25 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	60 W (ERP)	
220.6-220.8 MHz	FX	11K0F3E	25 W (ERP)	
220.6-220.8 MHz	FX	11K0F2D	25 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	1.75 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	60 W (ERP)	
220.85-220.9 MHz	FX	11K0F2D	25 W (ERP)	
220.85-220.9 MHz	FX	11K0F3E	25 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	1.75 W (ERP)	
220.925-221 MHz	MO	11K0F3E	60 W (ERP)	
220.925-221 MHz	FX	11K0F3E	25 W (ERP)	
220.925-221 MHz	FX	11K0F2D	25 W (ERP)	
220.925-221 MHz	MO	11K0F3E	1.75 W (ERP)	
221-221.55 MHz	FX	11K0F2D	25 W (ERP)	
221-221.55 MHz	FX	11K0F3E	25 W (ERP)	
221-221.55 MHz	MO	11K0F3E	1.75 W (ERP)	
221-221.55 MHz	MO	11K0F3E	60 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	1.75 W (ERP)	
221.6-221.8 MHz	FX	11K0F3E	25 W (ERP)	
221.6-221.8 MHz	FX	11K0F2D	25 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	60 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	60 W (ERP)	
221.85-221.9 MHz	FX	11K0F2D	25 W (ERP)	
221.85-221.9 MHz	FX	11K0F3E	25 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	1.75 W (ERP)	
221.925-222 MHz	MO	11K0F3E	60 W (ERP)	
221.925-222 MHz	FX	11K0F3E	25 W (ERP)	
221.925-222 MHz	FX	11K0F2D	25 W (ERP)	
221.925-222 MHz	MO	11K0F3E	1.75 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	MO	11K0F3E	1.75 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	
218-219 MHz	FX	11K0F2D	25 W (ERP)	
218-219 MHz	FX	11K0F3E	25 W (ERP)	
220-220.55 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	FX	11K0F3E	25 W (ERP)	
220-220.55 MHz	MO	11K0F3E	1.75 W (ERP)	
220-220.55 MHz	MO	11K0F3E	60 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	1.75 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	60 W (ERP)	
220.6-220.8 MHz	FX	11K0F3E	25 W (ERP)	
220.6-220.8 MHz	FX	11K0F2D	25 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	60 W (ERP)	
220.85-220.9 MHz	FX	11K0F2D	25 W (ERP)	
220.85-220.9 MHz	FX	11K0F3E	25 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	1.75 W (ERP)	
220.925-221 MHz	FX	11K0F3E	25 W (ERP)	
220.925-221 MHz	FX	11K0F2D	25 W (ERP)	
220.925-221 MHz	MO	11K0F3E	1.75 W (ERP)	
220.925-221 MHz	MO	11K0F3E	60 W (ERP)	
221-221.55 MHz	MO	11K0F3E	60 W (ERP)	
221-221.55 MHz	FX	11K0F2D	25 W (ERP)	
221-221.55 MHz	FX	11K0F3E	25 W (ERP)	
221-221.55 MHz	MO	11K0F3E	1.75 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	1.75 W (ERP)	
221.6-221.8 MHz	FX	11K0F3E	25 W (ERP)	
221.6-221.8 MHz	FX	11K0F2D	25 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	60 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	60 W (ERP)	
221.85-221.9 MHz	FX	11K0F2D	25 W (ERP)	
221.85-221.9 MHz	FX	11K0F3E	25 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	1.75 W (ERP)	
221.925-222 MHz	MO	11K0F3E	60 W (ERP)	
221.925-222 MHz	FX	11K0F3E	25 W (ERP)	
221.925-222 MHz	FX	11K0F2D	25 W (ERP)	
221.925-222 MHz	MO	11K0F3E	1.75 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218-219 MHz	MO	11K0F3E	1.75 W (ERP)	
218-219 MHz	MO	11K0F3E	60 W (ERP)	
218-219 MHz	FX	11K0F3E	25 W (ERP)	
218-219 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	MO	11K0F3E	60 W (ERP)	
220-220.55 MHz	FX	11K0F3E	25 W (ERP)	
220-220.55 MHz	FX	11K0F2D	25 W (ERP)	
220-220.55 MHz	MO	11K0F3E	1.75 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	1.75 W (ERP)	
220.6-220.8 MHz	MO	11K0F3E	60 W (ERP)	
220.6-220.8 MHz	FX	11K0F2D	25 W (ERP)	
220.6-220.8 MHz	FX	11K0F3E	25 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	1.75 W (ERP)	
220.85-220.9 MHz	FX	11K0F3E	25 W (ERP)	
220.85-220.9 MHz	FX	11K0F2D	25 W (ERP)	
220.85-220.9 MHz	MO	11K0F3E	60 W (ERP)	
220.925-221 MHz	MO	11K0F3E	60 W (ERP)	
220.925-221 MHz	FX	11K0F2D	25 W (ERP)	
220.925-221 MHz	FX	11K0F3E	25 W (ERP)	
220.925-221 MHz	MO	11K0F3E	1.75 W (ERP)	
221-221.55 MHz	MO	11K0F3E	60 W (ERP)	
221-221.55 MHz	FX	11K0F3E	25 W (ERP)	
221-221.55 MHz	FX	11K0F2D	25 W (ERP)	
221-221.55 MHz	MO	11K0F3E	1.75 W (ERP)	
221.6-221.8 MHz	FX	11K0F2D	25 W (ERP)	
221.6-221.8 MHz	FX	11K0F3E	25 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	1.75 W (ERP)	
221.6-221.8 MHz	MO	11K0F3E	60 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	1.75 W (ERP)	
221.85-221.9 MHz	FX	11K0F3E	25 W (ERP)	
221.85-221.9 MHz	FX	11K0F2D	25 W (ERP)	
221.85-221.9 MHz	MO	11K0F3E	60 W (ERP)	
221.925-222 MHz	MO	11K0F3E	1.75 W (ERP)	
221.925-222 MHz	FX	11K0F2D	25 W (ERP)	
221.925-222 MHz	FX	11K0F3E	25 W (ERP)	
221.925-222 MHz	MO	11K0F3E	60 W (ERP)	

Special Conditions:

- (1) 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.
- (2) Any operation in these bands must be coordinated with the existing and future users to avoid interference.