

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

EXPERIMENTAL

(Nature of Service)

WD9XCB

(Call Sign)

XT      FX MO

(Class of Station)

0517-EX-ST-2007

(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:**

Testing a prototype system for a state government.

**Station Locations**

- (1) Pine Ridge, WY - NL 42-20-47; WL 105-02-12; MOBILE: Pine Ridge, within 80 km, centered around NL 42-20-47; WL 105-02-12
- (2) Virgin Hill, WY - NL 42-02-37; WL 104-41-48; MOBILE: Virgin Hill, within 80 km, centered around NL 42-02-37; WL 104-41-48
- (3) Nine Mile Hill, WY - NL 41-52-52; WL 107-19-23; MOBILE: Nine Mile Hill, within 80 km, centered around NL 41-52-52; WL 107-19-23
- (4) Divide Hill, WY - NL 41-32-56; WL 107-43-01; MOBILE: Divide Hill, WY, within 80 km, centered around NL 41-32-56; WL 107-43-01
- (5) Shirley Mountain, WY - NL 42-09-52; WL 106-34-37; MOBILE: Shirley Mountain, WY, within 80 km, centered around NL 42-09-52; WL 106-34-37
- (6) 77 Hill, WY - NL 42-50-40; WL 104-37-02; MOBILE: 77 Hill, WY, within 80 km, centered around NL 42-50-40; WL 104-37-02
- (7) Muddy Gap, WY - NL 42-21-16; WL 107-29-23; MOBILE: Muddy Gap, WY, within 80 km, centered around NL 42-21-16; WL 107-29-23
- (8) Morton Hill, WY - NL 42-54-36; WL 105-19-50; MOBILE: Morton Hill, WY, within 80 km, centered around NL 42-54-36; WL 105-19-50
- (9) Casper Mountain, WY - NL 42-44-52; WL 106-18-11; MOBILE: Casper Mountain, WY, within 80 km, centered around NL 42-44-52; WL 106-18-11
- (10) Casper POE, WY - NL 42-52-05; WL 106-21-25; MOBILE: Casper POE, WY, within 80 km, centered around NL 42-52-05; WL 106-21-25

This authorization effective November 16, 2007 and  
will expire 3:00 A.M. EST March 17, 2008

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Station Locations

- (11) Waltman Hill, WY - NL 43-02-14; WL 107-17-19; MOBILE: Waltman Hill, WY, within 80 km, centered around NL 43-02-14; WL 107-17-19
- (12) Strouss Hill, WY - NL 41-29-18; WL 106-03-00; MOBILE: Strouss Hill, WY, within 80 km, centered around NL 41-29-18; WL 106-03-00
- (13) Baggs Hill, WY, WY - NL 41-00-21; WL 107-37-19; MOBILE: Baggs Hill, WY, within 80 km, centered around NL 41-00-21; WL 107-37-19
- (14) Shoshoni, WY - NL 43-00-00; WL 108-00-00; MOBILE: At temporary fixed locations, Shoshoni, WY, within 395 km, centered around NL 43-00-00; WL 108-00-00

## Frequency Information

Pine Ridge, WY - NL 42-20-47; WL 105-02-12; MOBILE: Pine Ridge, within 80 km, centered around NL 42-20-47; WL 105-02-12

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3D<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Virgin Hill, WY - NL 42-02-37; WL 104-41-48; MOBILE: Virgin Hill, within 80 km, centered around NL 42-02-37; WL 104-41-48

| Frequency          | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------------|---------------|---------------------|------------------|---------------------------|
| 150.8-157.0375 MHz | FX            | 10K0F1D             | 200 W (ERP)      |                           |

## Frequency Information

Virgin Hill, WY - NL 42-02-37; WL 104-41-48; MOBILE: Virgin Hill, within 80 km, centered around NL 42-02-37; WL 104-41-48

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 11K0F3E<br>8K10F1E            | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Nine Mile Hill, WY - NL 41-52-52; WL 107-19-23; MOBILE: Nine Mile Hill, within 80 km, centered around NL 41-52-52; WL 107-19-23

| Frequency          | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|--------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

## Frequency Information

Nine Mile Hill, WY - NL 41-52-52; WL 107-19-23; MOBILE: Nine Mile Hill, within 80 km, centered around NL 41-52-52; WL 10

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Divide Hill, WY - NL 41-32-56; WL 107-43-01; MOBILE: Divide Hill, WY, within 80 km, centered around NL 41-32-56; WL 107

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E            | 100 W (ERP)      |                           |

## Frequency Information

Divide Hill, WY - NL 41-32-56; WL 107-43-01; MOBILE: Divide Hill, WY, within 80 km, centered around NL 41-32-56; WL 107

| Frequency             | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|---------------------|------------------|---------------------------|
| 157.1875-162.0125 MHz | MO            | 8K10F1E             | 100 W (ERP)      |                           |

Shirley Mountain, WY - NL 42-09-52; WL 106-34-37; MOBILE: Shirley Mountain, WY, within 80 km, centered around NL 42-0

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

## Frequency Information

77 Hill, WY - NL 42-50-40; WL 104-37-02; MOBILE: 77 Hill, WY, within 80 km, centered around NL 42-50-40; WL 104-37-02

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Muddy Gap, WY - NL 42-21-16; WL 107-29-23; MOBILE: Muddy Gap, WY, within 80 km, centered around NL 42-21-16; WL :

| Frequency          | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|--------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz | MO            | 10K0F1D<br>11K0F3E            | 100 W (ERP)      |                           |

## Frequency Information

Muddy Gap, WY - NL 42-21-16; WL 107-29-23; MOBILE: Muddy Gap, WY, within 80 km, centered around NL 42-21-16; WL :

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | MO            | 8K10F1E                       | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |

Morton Hill, WY - NL 42-54-36; WL 105-19-50; MOBILE: Morton Hill, WY, within 80 km, centered around NL 42-54-36; WL 10

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |

## Frequency Information

Morton Hill, WY - NL 42-54-36; WL 105-19-50; MOBILE: Morton Hill, WY, within 80 km, centered around NL 42-54-36; WL 10

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Casper Mountain, WY - NL 42-44-52; WL 106-18-11; MOBILE: Casper Mountain, WY, within 80 km, centered around NL 42-

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

## Frequency Information

Casper POE, WY - NL 42-52-05; WL 106-21-25; MOBILE: Casper POE, WY, within 80 km, centered around NL 42-52-05; W

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Waltman Hill, WY - NL 43-02-14; WL 107-17-19; MOBILE: Waltman Hill, WY, within 80 km, centered around NL 43-02-14; W

| Frequency          | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|--------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz | MO            | 10K0F1D<br>11K0F3E            | 100 W (ERP)      |                           |

## Frequency Information

Waltman Hill, WY - NL 43-02-14; WL 107-17-19; MOBILE: Waltman Hill, WY, within 80 km, centered around NL 43-02-14; W

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | MO            | 8K10F1E                       | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Strauss Hill, WY - NL 41-29-18; WL 106-03-00; MOBILE: Strauss Hill, WY, within 80 km, centered around NL 41-29-18; WL 1

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |

## Frequency Information

Strouss Hill, WY - NL 41-29-18; WL 106-03-00; MOBILE: Strouss Hill, WY, within 80 km, centered around NL 41-29-18; WL 1

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

Baggs Hill, WY, WY - NL 41-00-21; WL 107-37-19; MOBILE: Baggs Hill, WY, within 80 km, centered around NL 41-00-21; W

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |

## Frequency Information

Shoshoni, WY - NL 43-00-00; WL 108-00-00; MOBILE: At temporary fixed locations, Shoshoni, WY, within 395 km, centered

| Frequency             | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------------------|---------------|-------------------------------|------------------|---------------------------|
| 150.8-157.0375 MHz    | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 150.8-157.0375 MHz    | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 W (ERP)      |                           |
| 157.1875-162.0125 MHz | FX            | 10K0F1D<br>11K0F3E<br>8K10F1E | 200 W (ERP)      |                           |
| 157.1875-162.0125 MHz | MO            | 10K0F1D<br>11K0F3E<br>8K10F1E | 100 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) 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.
- (3) Operation in the frequency bands 152.855-154 MHz, 157.45-161.575 MHz, 161.625-161.775 MHz and 162.0125-173.2 MHz 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](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org) <<http://www.sbe.org>>.
- (4) This license SUPERSEDES the previous issued license with the same callsign and file number: amends the radius of operation and condition.