

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WB9XON

(Call Sign)

0447-EX-ST-2001

(File Number)

NAME State of South Dakota, Bureau of Information & Telecommunications

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 development of communications system.

**Station Locations**

- (1) Sioux Falls (MINNEHAHA), SD - NL 43-31-56; WL 96-59-17; MOBILE: , within 40 km
- (2) Rapid City (PENNINGTON), SD - NL 44-03-08; WL 103-14-36; MOBILE: , within 40 km
- (3) Iona (LYMAN), SD - NL 43-30-27; WL 99-27-25; MOBILE: , within 50 km
- (4) Aberdeen (BROWN), SD - NL 45-27-05; WL 98-31-36; MOBILE: , within 40 km
- (5) Pierre (HUGHES), SD - NL 44-21-23; WL 100-18-49; MOBILE: , within 30 km

**Frequency Information**

Sioux Falls (MINNEHAHA), SD - NL 43-31-56; WL 96-59-17; MOBILE: , within 40 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 150.905 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.16 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.25 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 153.245 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 155.415 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |
| 155.655 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |
| 156.015 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |
| 159.93 MHz  | FX            | 20K0F3E             | 225 W (ERP)      |                           |

This authorization effective December 11, 2001 and  
will expire 3:00 A.M. EST June 11, 2002

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Rapid City (PENNINGTON), SD - NL 44-03-08; WL 103-14-36; MOBILE: , within 40 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 151.145 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.205 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.445 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 153.305 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 154.89 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 156.015 MHz | FX            | 20K0F3E             | 200 W (ERP)      |                           |
| 156.09 MHz  | FX            | 20K0F3E             | 200 W (ERP)      |                           |
| 159.255 MHz | FX            | 20K0F3E             | 200 W (ERP)      |                           |
| 159.39 MHz  | FX            | 20K0F3E             | 200 W (ERP)      |                           |
| 159.57 MHz  | FX            | 20K0F3E             | 200 W (ERP)      |                           |
| 159.75 MHz  | FX            | 20K0F3E             | 200 W (ERP)      |                           |

Iona (LYMAN), SD - NL 43-30-27; WL 99-27-25; MOBILE: , within 50 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 151.07 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.28 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.37 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 154.665 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 155.505 MHz | FX            | 20K0F3E             | 215 W (ERP)      |                           |
| 156.015 MHz | FX            | 20K0F3E             | 215 W (ERP)      |                           |
| 156.09 MHz  | FX            | 20K0F3E             | 215 W (ERP)      |                           |
| 159.06 MHz  | FX            | 20K0F3E             | 215 W (ERP)      |                           |
| 159.285 MHz | FX            | 20K0F3E             | 215 W (ERP)      |                           |

Aberdeen (BROWN), SD - NL 45-27-05; WL 98-31-36; MOBILE: , within 40 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 151.16 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.355 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.43 MHz  | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 154.845 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 155.535 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |
| 156.015 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |
| 159.225 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |
| 159.375 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |

## Frequency Information

Aberdeen (BROWN), SD - NL 45-27-05; WL 98-31-36; MOBILE: , within 40 km

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 159.99 MHz | FX            | 20K0F3E             | 225 W (ERP)      |                           |

Pierre (HUGHES), SD - NL 44-21-23; WL 100-18-49; MOBILE: , within 30 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 151.1 MHz   | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 151.295 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 154.695 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 154.905 MHz | MO            | 20K0F3E             | 50 W (ERP)       |                           |
| 155.67 MHz  | FX            | 20K0F3E             | 250 W (ERP)      |                           |
| 156.015 MHz | FX            | 20K0F3E             | 250 W (ERP)      |                           |
| 156.135 MHz | FX            | 20K0F3E             | 250 W (ERP)      |                           |
| 156.24 MHz  | FX            | 20K0F3E             | 250 W (ERP)      |                           |
| 159.42 MHz  | FX            | 20K0F3E             | 250 W (ERP)      |                           |