

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WO9XBK

(Call Sign)

0312-EX-ST-2019

(File Number)

NAME Phoenix Air Unmanned, LLC

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:**

Xcel Energy teamed with Harris and PAU submitted (4 Jan 2019) a FAA 14 CFR Part 107 waiver request to fly a small UAS at low altitude (below 250 ft) in remote/non-urban areas.

**Station Locations**

- (1) Farmington, MN - NL 44-36-58; WL 93-04-14
- (2) Bryon, MN - NL 44-01-00; WL 92-40-13
- (3) Hillsboro, ND - NL 47-28-00; WL 97-02-54
- (4) Thompson, ND - NL 47-49-18; WL 97-03-00
- (5) Fall Creek, WI - NL 44-44-04; WL 91-21-00
- (6) Farmington, MN - NL 44-36-06; WL 93-13-13
- (7) Lakeville, MN - NL 44-35-49; WL 93-17-42
- (8) Elko New Market, MN - NL 44-35-14; WL 93-23-53
- (9) New Prague, MN - NL 44-34-22; WL 93-31-11
- (10) New Prague, MN - NL 44-33-24; WL 93-39-29
- (11) Lakeville, MN - NL 44-35-48; WL 93-17-42
- (12) Webster, MN - NL 44-31-12; WL 93-17-31
- (13) Northfield, MN - NL 44-29-38; WL 93-17-33
- (14) Faribault, MN - NL 44-22-15; WL 93-17-31
- (15) Faribault, MN - NL 44-20-10; WL 93-17-30
- (16) Faribault, MN - NL 44-22-15; WL 93-17-31
- (17) Le Sueur, MN - NL 44-28-16; WL 93-45-33
- (18) Cannon Falls, MN - NL 44-30-45; WL 92-56-20
- (19) Le Sueuer, MN - NL 44-28-17; WL 93-52-10
- (20) Le Sueuer, MN - NL 44-28-02; WL 93-54-11

This authorization effective May 16, 2019 and  
will expire 3:00 A.M. EST November 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Station Locations

- (21) Cannon Falls, MN - NL 44-32-13; WL 92-55-03
- (22) Welch, MN - NL 44-32-34; WL 92-44-50
- (23) Welch, MN - NL 44-32-28; WL 92-42-26
- (24) Dodge Center, MN - NL 44-01-39; WL 92-51-34
- (25) Dodge Center, MN - NL 44-01-48; WL 92-52-45
- (26) West Concord, MN - NL 44-08-20; WL 92-55-35
- (27) Kenyon, MN - NL 44-16-43; WL 92-56-23
- (28) Pine Island, MN - NL 44-13-27; WL 92-39-27
- (29) Pine Island, MN - NL 44-11-08; WL 92-32-54
- (30) Elgin, MN - NL 44-10-20; WL 92-23-57
- (31) Rochester, MN - NL 44-05-11; WL 92-22-46
- (32) Rochester, MN - NL 44-00-57; WL 92-22-43
- (33) Rochester, MN - NL 44-10-20; WL 92-23-57
- (34) Plainview, MN - NL 44-11-16; WL 92-13-10
- (35) Kellogg, MN - NL 44-12-57; WL 92-03-21
- (36) Hutchinson, MN - NL 44-48-50; WL 94-21-24
- (37) Hutchinson, MN - NL 44-49-01; WL 94-23-46
- (38) Hector, MN - NL 44-48-47; WL 94-45-07
- (39) Bird Island, MN - NL 44-48-43; WL 94-54-55
- (40) Buffalo Lake, MN - NL 44-48-44; WL 94-35-07
- (41) Olivia, MN - NL 44-48-42; WL 94-59-44
- (42) Olivia, MN - NL 44-48-13; WL 95-02-09
- (43) Danube, MN - NL 44-48-29; WL 95-04-39
- (44) Renville, MN - NL 44-48-34; WL 95-15-34
- (45) Sacred Heart, MN - NL 44-48-22; WL 95-26-33
- (46) Granite Falls, MN - NL 44-48-22; WL 95-31-37
- (47) Granite Falls, MN - NL 44-48-21; WL 95-31-37
- (48) Maynard, MN - NL 44-54-19; WL 95-30-53
- (49) Maynard, MN - NL 44-56-51; WL 95-29-36
- (50) Clara City, MN - NL 44-56-55; WL 95-22-15
- (51) Maynard, MN - NL 44-56-55; WL 95-30-48
- (52) Montevideo, MN - NL 44-56-58; WL 95-39-16
- (53) Montevideo, MN - NL 44-56-58; WL 95-41-40
- (54) Montevideo, MN - NL 44-56-25; WL 95-43-20
- (55) Montevideo, MN - NL 44-55-06; WL 95-41-46
- (56) Granite Falls, MN - NL 44-50-02; WL 95-36-34
- (57) Granite Falls, MN - NL 44-47-55; WL 95-33-18
- (58) Maple Lake, MN - NL 45-13-45; WL 94-00-32
- (59) Annandale, MN - NL 45-14-59; WL 94-05-27
- (60) Annandale, MN - NL 45-15-30; WL 94-06-52
- (61) Annandale, MN - NL 45-15-55; WL 94-08-03
- (62) South Haven, MN - NL 45-17-28; WL 94-12-43
- (63) South Haven, MN - NL 45-17-32; WL 94-13-13
- (64) Kimball, MN - NL 45-18-31; WL 94-18-00
- (65) Kimball, MN - NL 45-16-18; WL 94-18-46
- (66) Watkins, MN - NL 45-19-03; WL 94-24-28

Station Locations

- (67) Sauk Centre, MN - NL 45-39-56; WL 94-53-10
- (68) Melrose, MN - NL 45-40-24; WL 94-50-12
- (69) St Joseph, MN - NL 45-34-10; WL 94-19-51
- (70) Avon, MN - NL 45-36-13; WL 94-23-31
- (71) St Joseph, MN - NL 45-35-15; WL 94-23-47
- (72) Avon, MN - NL 45-36-53; WL 94-28-22
- (73) Avon, MN - NL 45-36-22; WL 94-26-31
- (74) Albany, MN - NL 45-36-53; WL 94-30-29
- (75) Albany, MN - NL 45-36-53; WL 94-31-26
- (76) Albany, MN - NL 45-37-25; WL 94-34-22
- (77) Albany, MN - NL 45-37-45; WL 94-35-11
- (78) Albany, MN - NL 45-38-12; WL 94-37-30
- (79) Albany, MN - NL 45-38-28; WL 94-37-30
- (80) Freeport, MN - NL 45-39-50; WL 94-41-36
- (81) Melrose, MN - NL 45-40-24; WL 94-47-19
- (82) North Branch, MN - NL 45-27-41; WL 92-54-42
- (83) Stillwater, MN - NL 45-02-14; WL 92-54-48
- (84) Scandia, MN - NL 45-15-57; WL 92-52-49
- (85) Hugo, MN - NL 45-09-19; WL 92-54-49
- (86) Chisago City, MN - NL 45-23-03; WL 92-54-56
- (87) Harris, MN - NL 45-31-40; WL 92-54-27
- (88) Rush City, MN - NL 45-40-23; WL 92-54-23
- (89) Rush City, MN - NL 45-41-23; WL 92-54-29
- (90) Rush City, MN - NL 45-42-59; WL 92-53-44
- (91) Pine City, MN - NL 45-46-37; WL 92-50-36
- (92) Harris, MN - NL 45-31-40; WL 92-54-25
- (93) Rush City, MN - NL 45-40-23; WL 92-54-23
- (94) Rush City, MN - NL 45-41-23; WL 92-54-29
- (95) Rush City, MN - NL 45-42-00; WL 92-54-35
- (96) Rush City, MN - NL 45-44-40; WL 92-54-36
- (97) Pine City, MN - NL 45-52-03; WL 92-53-53
- (98) Hinckley, MN - NL 45-58-00; WL 92-57-02
- (99) Hinckley, MN - NL 45-59-09; WL 92-57-18
- (100) Hinckley, MN - NL 46-04-45; WL 92-57-39
- (101) Finlayson, MN - NL 46-12-43; WL 92-57-17
- (102) Willow River, MN - NL 46-19-05; WL 92-57-15
- (103) Waseca, MN - NL 44-03-55; WL 93-29-41
- (104) Waseca, MN - NL 44-03-05; WL 93-27-57
- (105) Waseca, MN - NL 44-02-52; WL 93-25-01
- (106) Paynesville, MN - NL 45-23-31; WL 94-42-52
- (107) Paynesville, MN - NL 44-22-37; WL 94-45-47
- (108) Paducah, MN - NL 45-23-31; WL 94-44-10
- (109) Paynesville, MN - NL 45-21-49; WL 94-45-46
- (110) Paynesville, MN - NL 45-20-00; WL 94-45-49
- (111) Atwater, MN - NL 45-16-50; WL 94-46-45
- (112) Kandiyohi, MN - NL 45-12-14; WL 94-53-20

Station Locations

(113 Willmar, MN - NL 45-06-53; WL 95-00-28  
(114 Willmar, MN - NL 45-06-53; WL 95-00-28  
(115 Willmar, MN - NL 45-04-56; WL 95-03-07  
(116 Hugoton, KS - NL 37-04-03; WL 101-17-03  
(117 Hugoton, KS - NL 37-10-24; WL 101-14-55  
(118 Hugoton, KS - NL 37-18-20; WL 101-14-56  
(119 Ulysses, KS - NL 37-25-53; WL 101-14-02  
(120 Ulysses, KS - NL 37-33-37; WL 101-14-07  
(121 Ulysses, KS - NL 37-41-38; WL 101-14-07  
(122 Lakin, KS - NL 37-49-42; WL 101-12-58  
(123 Garden City, KS - NL 37-51-29; WL 101-06-15  
(124 Garden City, KS - NL 37-54-57; WL 100-58-29  
(125 Sherlock, KS - NL 37-59-12; WL 101-03-52  
(126 Holcomb, KS - NL 38-06-18; WL 101-03-57  
(127 Holcomb, KS - NL 38-12-24; WL 101-05-08  
(128 Lakin, KS - NL 38-12-22; WL 101-16-06  
(129 Lakin, KS - NL 38-12-21; WL 101-24-52  
(130 Kendall, KS - NL 38-12-17; WL 101-35-51  
(131 Syracuse, KS - NL 38-12-15; WL 101-46-47  
(132 Syracuse, KS - NL 38-12-14; WL 101-57-50  
(133 Holly, CO - NL 38-12-07; WL 101-07-20  
(134 Holly, CO - NL 38-12-08; WL 102-16-33  
(135 Holly, CO - NL 38-12-07; WL 102-25-51  
(136 Lamar, CO - NL 38-12-22; WL 102-25-51  
(137 Lamar, CO - NL 38-16-03; WL 102-34-44  
(138 Eads, CO - NL 38-15-56; WL 102-44-31  
(139 Eads, CO - NL 38-15-00; WL 102-54-10  
(140 Eads, CO - NL 38-17-44; WL 103-02-38  
(141 Arlington, CO - NL 38-17-39; WL 103-12-35  
(142 Arlington, CO - NL 38-17-44; WL 103-22-18  
(143 Sugar City, CO - NL 38-18-01; WL 103-32-18  
(144 Sugar City, CO - NL 38-17-58; WL 103-41-11  
(145 Sugar City, CO - NL 38-17-55; WL 103-44-55  
(146 Ordway, CO - NL 38-17-56; WL 103-53-23  
(147 Boone, CO - NL 38-17-40; WL 104-03-18  
(148 Boone, CO - NL 38-17-32; WL 104-11-02  
(149 Boone, CO - NL 38-15-20; WL 104-13-30  
(150 Boone, CO - NL 38-21-33; WL 104-13-16  
(151 Boone, CO - NL 38-21-33; WL 104-13-16  
(152 Boone, CO - NL 38-26-05; WL 104-15-09  
(153 Boone, CO - NL 38-31-17; WL 104-15-19  
(154 Colorado Springs, CO - NL 38-32-08; WL 104-23-04  
(155 Colorado Springs, CO - NL 38-32-51; WL 104-29-47  
(156 Pueblo, CO - NL 38-33-37; WL 104-36-39  
(157 Pueblo, CO - NL 38-33-36; WL 104-39-00  
(158 Pueblo, CO - NL 38-33-32; WL 104-41-29

Station Locations

(159 Pueblo, CO - NL 38-29-26; WL 104-41-25  
(160 Pueblo West, CO - NL 38-22-34; WL 104-41-25  
(161 Pueblo West, CO - NL 38-20-55; WL 104-41-25  
(162 Pueblo West, CO - NL 38-20-55; WL 104-41-25  
(163 Pueblo West, CO - NL 38-19-18; WL 104-41-24  
(164 Pueblo West, CO - NL 38-19-15; WL 104-40-21  
(165 Matheson, CO - NL 39-11-53; WL 103-50-42  
(166 Matheson, CO - NL 39-27-08; WL 103-51-44  
(167 Agate, CO - NL 39-21-13; WL 103-52-04  
(168 Agate, CO - NL 39-21-13; WL 103-52-04  
(169 Agate, CO - NL 39-25-48; WL 103-52-52  
(170 Agate, CO - NL 39-30-10; WL 103-53-53  
(171 Deer Trail, CO - NL 39-34-44; WL 103-54-46  
(172 Deer Trail, CO - NL 39-37-27; WL 103-58-02  
(173 Deer Trail, CO - NL 39-41-03; WL 104-01-15  
(174 Palisade, CO - NL 39-08-55; WL 108-18-59  
(175 Palisade, CO - NL 39-06-36; WL 108-19-40  
(176 Palisade, CO - NL 39-05-40; WL 108-20-29  
(177 Palisade, CO - NL 39-02-46; WL 108-24-47  
(178 Whitewater, CO - NL 38-59-34; WL 108-23-46  
(179 Whitewater, CO - NL 38-57-24; WL 108-21-43  
(180 Whitewater, CO - NL 38-54-20; WL 108-19-39  
(181 Delta, CO - NL 38-51-24; WL 108-17-03  
(182 Delta, CO - NL 38-49-18; WL 108-13-36  
(183 Delta, CO - NL 38-46-06; WL 108-11-46  
(184 Delta, CO - NL 38-42-49; WL 108-10-21  
(185 Delta, CO - NL 38-39-42; WL 108-09-05  
(186 Olathe, CO - NL 38-36-28; WL 108-07-00  
(187 Olathe, CO - NL 38-33-25; WL 108-04-49  
(188 Montrose, CO - NL 38-30-29; WL 108-02-23  
(189 Montrose, CO - NL 38-27-13; WL 108-02-18  
(190 Montrose, CO - NL 38-25-17; WL 107-59-40  
(191 Montrose, CO - NL 38-26-20; WL 107-57-02  
(192 Parachute, CO - NL 39-29-30; WL 108-06-57  
(193 Parachute, CO - NL 39-28-26; WL 108-05-37  
(194 Parachute, CO - NL 39-27-55; WL 108-02-34

## Frequency Information

Farmington, MN - NL 44-36-58; WL 93-04-14

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Bryon, MN - NL 44-01-00; WL 92-40-13

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hillsboro, ND - NL 47-28-00; WL 97-02-54

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Thompson, ND - NL 47-49-18; WL 97-03-00

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Fall Creek, WI - NL 44-44-04; WL 91-21-00

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Farmington, MN - NL 44-36-06; WL 93-13-13

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Lakeville, MN - NL 44-35-49; WL 93-17-42

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Elko New Market, MN - NL 44-35-14; WL 93-23-53

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

New Prague, MN - NL 44-34-22; WL 93-31-11

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

New Prague, MN - NL 44-33-24; WL 93-39-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Lakeville, MN - NL 44-35-48; WL 93-17-42

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Webster, MN - NL 44-31-12; WL 93-17-31

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Northfield, MN - NL 44-29-38; WL 93-17-33

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Faribault, MN - NL 44-22-15; WL 93-17-31

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Faribault, MN - NL 44-20-10; WL 93-17-30

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Faribault, MN - NL 44-22-15; WL 93-17-31

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Le Sueur, MN - NL 44-28-16; WL 93-45-33

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Cannon Falls, MN - NL 44-30-45; WL 92-56-20

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Le Sueur, MN - NL 44-28-17; WL 93-52-10

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Le Sueur, MN - NL 44-28-02; WL 93-54-11

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Cannon Falls, MN - NL 44-32-13; WL 92-55-03

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Welch, MN - NL 44-32-34; WL 92-44-50

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Welch, MN - NL 44-32-28; WL 92-42-26

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Dodge Center, MN - NL 44-01-39; WL 92-51-34

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Dodge Center, MN - NL 44-01-48; WL 92-52-45

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

West Concord, MN - NL 44-08-20; WL 92-55-35

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Kenyon, MN - NL 44-16-43; WL 92-56-23

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pine Island, MN - NL 44-13-27; WL 92-39-27

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Pine Island, MN - NL 44-11-08; WL 92-32-54

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Elgin, MN - NL 44-10-20; WL 92-23-57

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Rochester, MN - NL 44-05-11; WL 92-22-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Rochester, MN - NL 44-00-57; WL 92-22-43

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Rochester, MN - NL 44-10-20; WL 92-23-57

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Plainview, MN - NL 44-11-16; WL 92-13-10

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Kellogg, MN - NL 44-12-57; WL 92-03-21

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hutchinson, MN - NL 44-48-50; WL 94-21-24

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Hutchinson, MN - NL 44-49-01; WL 94-23-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hector, MN - NL 44-48-47; WL 94-45-07

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Bird Island, MN - NL 44-48-43; WL 94-54-55

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Buffalo Lake, MN - NL 44-48-44; WL 94-35-07

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Olivia, MN - NL 44-48-42; WL 94-59-44

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Olivia, MN - NL 44-48-13; WL 95-02-09

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Danube, MN - NL 44-48-29; WL 95-04-39

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Renville, MN - NL 44-48-34; WL 95-15-34

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Sacred Heart, MN - NL 44-48-22; WL 95-26-33

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Granite Falls, MN - NL 44-48-22; WL 95-31-37

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Granite Falls, MN - NL 44-48-21; WL 95-31-37

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Maynard, MN - NL 44-54-19; WL 95-30-53

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Maynard, MN - NL 44-56-51; WL 95-29-36

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Clara City, MN - NL 44-56-55; WL 95-22-15

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Maynard, MN - NL 44-56-55; WL 95-30-48

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Montevideo, MN - NL 44-56-58; WL 95-39-16

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Montevideo, MN - NL 44-56-58; WL 95-41-40

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Montevideo, MN - NL 44-56-25; WL 95-43-20

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Montevideo, MN - NL 44-55-06; WL 95-41-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Granite Falls, MN - NL 44-50-02; WL 95-36-34

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Granite Falls, MN - NL 44-47-55; WL 95-33-18

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Maple Lake, MN - NL 45-13-45; WL 94-00-32

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Annandale, MN - NL 45-14-59; WL 94-05-27

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Annandale, MN - NL 45-15-30; WL 94-06-52

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Annandale, MN - NL 45-15-55; WL 94-08-03

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

South Haven, MN - NL 45-17-28; WL 94-12-43

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

South Haven, MN - NL 45-17-32; WL 94-13-13

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Kimball, MN - NL 45-18-31; WL 94-18-00

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Kimball, MN - NL 45-16-18; WL 94-18-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Watkins, MN - NL 45-19-03; WL 94-24-28

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Sauk Centre, MN - NL 45-39-56; WL 94-53-10

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Melrose, MN - NL 45-40-24; WL 94-50-12

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

St Joseph, MN - NL 45-34-10; WL 94-19-51

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Avon, MN - NL 45-36-13; WL 94-23-31

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

St Joseph, MN - NL 45-35-15; WL 94-23-47

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Avon, MN - NL 45-36-53; WL 94-28-22

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Avon, MN - NL 45-36-22; WL 94-26-31

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Albany, MN - NL 45-36-53; WL 94-30-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Albany, MN - NL 45-36-53; WL 94-31-26

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Albany, MN - NL 45-37-25; WL 94-34-22

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Albany, MN - NL 45-37-45; WL 94-35-11

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Albany, MN - NL 45-38-12; WL 94-37-30

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Albany, MN - NL 45-38-28; WL 94-37-30

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Freeport, MN - NL 45-39-50; WL 94-41-36

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Melrose, MN - NL 45-40-24; WL 94-47-19

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

North Branch, MN - NL 45-27-41; WL 92-54-42

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Stillwater, MN - NL 45-02-14; WL 92-54-48

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Scandia, MN - NL 45-15-57; WL 92-52-49

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Hugo, MN - NL 45-09-19; WL 92-54-49

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Chisago City, MN - NL 45-23-03; WL 92-54-56

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Harris, MN - NL 45-31-40; WL 92-54-27

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Rush City, MN - NL 45-40-23; WL 92-54-23

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Rush City, MN - NL 45-41-23; WL 92-54-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Rush City, MN - NL 45-42-59; WL 92-53-44

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pine City, MN - NL 45-46-37; WL 92-50-36

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Harris, MN - NL 45-31-40; WL 92-54-25

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Rush City, MN - NL 45-40-23; WL 92-54-23

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Rush City, MN - NL 45-41-23; WL 92-54-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Rush City, MN - NL 45-42-00; WL 92-54-35

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Rush City, MN - NL 45-44-40; WL 92-54-36

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Pine City, MN - NL 45-52-03; WL 92-53-53

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hinckley, MN - NL 45-58-00; WL 92-57-02

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hinckley, MN - NL 45-59-09; WL 92-57-18

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hinckley, MN - NL 46-04-45; WL 92-57-39

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Finlayson, MN - NL 46-12-43; WL 92-57-17

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Willow River, MN - NL 46-19-05; WL 92-57-15

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Waseca, MN - NL 44-03-55; WL 93-29-41

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Waseca, MN - NL 44-03-05; WL 93-27-57

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Waseca, MN - NL 44-02-52; WL 93-25-01

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Paynesville, MN - NL 45-23-31; WL 94-42-52

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Paynesville, MN - NL 44-22-37; WL 94-45-47

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Paducah, MN - NL 45-23-31; WL 94-44-10

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Paynesville, MN - NL 45-21-49; WL 94-45-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Paynesville, MN - NL 45-20-00; WL 94-45-49

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Atwater, MN - NL 45-16-50; WL 94-46-45

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Kandiyohi, MN - NL 45-12-14; WL 94-53-20

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Willmar, MN - NL 45-06-53; WL 95-00-28

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Willmar, MN - NL 45-06-53; WL 95-00-28

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Willmar, MN - NL 45-04-56; WL 95-03-07

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hugoton, KS - NL 37-04-03; WL 101-17-03

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Hugoton, KS - NL 37-10-24; WL 101-14-55

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Hugoton, KS - NL 37-18-20; WL 101-14-56

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Ulysses, KS - NL 37-25-53; WL 101-14-02

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Ulysses, KS - NL 37-33-37; WL 101-14-07

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Ulysses, KS - NL 37-41-38; WL 101-14-07

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Lakin, KS - NL 37-49-42; WL 101-12-58

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Garden City, KS - NL 37-51-29; WL 101-06-15

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Garden City, KS - NL 37-54-57; WL 100-58-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Sherlock, KS - NL 37-59-12; WL 101-03-52

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Holcomb, KS - NL 38-06-18; WL 101-03-57

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Holcomb, KS - NL 38-12-24; WL 101-05-08

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Lakin, KS - NL 38-12-22; WL 101-16-06

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Lakin, KS - NL 38-12-21; WL 101-24-52

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Kendall, KS - NL 38-12-17; WL 101-35-51

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Syracuse, KS - NL 38-12-15; WL 101-46-47

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Syracuse, KS - NL 38-12-14; WL 101-57-50

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Holly, CO - NL 38-12-07; WL 101-07-20

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Holly, CO - NL 38-12-08; WL 102-16-33

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Holly, CO - NL 38-12-07; WL 102-25-51

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Lamar, CO - NL 38-12-22; WL 102-25-51

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Lamar, CO - NL 38-16-03; WL 102-34-44

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Eads, CO - NL 38-15-56; WL 102-44-31

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Eads, CO - NL 38-15-00; WL 102-54-10

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Eads, CO - NL 38-17-44; WL 103-02-38

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Arlington, CO - NL 38-17-39; WL 103-12-35

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Arlington, CO - NL 38-17-44; WL 103-22-18

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Sugar City, CO - NL 38-18-01; WL 103-32-18

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Sugar City, CO - NL 38-17-58; WL 103-41-11

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Sugar City, CO - NL 38-17-55; WL 103-44-55

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Ordway, CO - NL 38-17-56; WL 103-53-23

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Boone, CO - NL 38-17-40; WL 104-03-18

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Boone, CO - NL 38-17-32; WL 104-11-02

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Boone, CO - NL 38-15-20; WL 104-13-30

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Boone, CO - NL 38-21-33; WL 104-13-16

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Boone, CO - NL 38-21-33; WL 104-13-16

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Boone, CO - NL 38-26-05; WL 104-15-09

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Boone, CO - NL 38-31-17; WL 104-15-19

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Colorado Springs, CO - NL 38-32-08; WL 104-23-04

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Colorado Springs, CO - NL 38-32-51; WL 104-29-47

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pueblo, CO - NL 38-33-37; WL 104-36-39

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Pueblo, CO - NL 38-33-36; WL 104-39-00

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pueblo, CO - NL 38-33-32; WL 104-41-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pueblo, CO - NL 38-29-26; WL 104-41-25

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pueblo West, CO - NL 38-22-34; WL 104-41-25

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Pueblo West, CO - NL 38-20-55; WL 104-41-25

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pueblo West, CO - NL 38-20-55; WL 104-41-25

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pueblo West, CO - NL 38-19-18; WL 104-41-24

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Pueblo West, CO - NL 38-19-15; WL 104-40-21

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Matheson, CO - NL 39-11-53; WL 103-50-42

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Matheson, CO - NL 39-27-08; WL 103-51-44

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Agate, CO - NL 39-21-13; WL 103-52-04

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Agate, CO - NL 39-21-13; WL 103-52-04

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Agate, CO - NL 39-25-48; WL 103-52-52

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Agate, CO - NL 39-30-10; WL 103-53-53

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Deer Trail, CO - NL 39-34-44; WL 103-54-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Deer Trail, CO - NL 39-37-27; WL 103-58-02

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Deer Trail, CO - NL 39-41-03; WL 104-01-15

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Palisade, CO - NL 39-08-55; WL 108-18-59

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Palisade, CO - NL 39-06-36; WL 108-19-40

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Palisade, CO - NL 39-05-40; WL 108-20-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Palisade, CO - NL 39-02-46; WL 108-24-47

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Whitewater, CO - NL 38-59-34; WL 108-23-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Whitewater, CO - NL 38-57-24; WL 108-21-43

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Whitewater, CO - NL 38-54-20; WL 108-19-39

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Delta, CO - NL 38-51-24; WL 108-17-03

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Delta, CO - NL 38-49-18; WL 108-13-36

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Delta, CO - NL 38-46-06; WL 108-11-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Delta, CO - NL 38-42-49; WL 108-10-21

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Delta, CO - NL 38-39-42; WL 108-09-05

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Olathe, CO - NL 38-36-28; WL 108-07-00

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Olathe, CO - NL 38-33-25; WL 108-04-49

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Montrose, CO - NL 38-30-29; WL 108-02-23

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Montrose, CO - NL 38-27-13; WL 108-02-18

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Montrose, CO - NL 38-25-17; WL 107-59-40

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Montrose, CO - NL 38-26-20; WL 107-57-02

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Parachute, CO - NL 39-29-30; WL 108-06-57

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

## Frequency Information

Parachute, CO - NL 39-28-26; WL 108-05-37

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 W (ERP)      |                           |

Parachute, CO - NL 39-27-55; WL 108-02-34

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24450-24650 MHz | FX            | 190MFXN             | 486 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) Phoenix Air Unmanned, LLC must ensure that this operation is limited to Detect and Avoid operations. It shall not be used for radiolocation purposes such as UAS detection for security perimeters, drone interdiction or counter UAS purposes.
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (6) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (7) () Experimental station shall use the minimum power level necessary to close the communications link to minimize potential interference to licensed users.
- (8) Experimental station authorized herein must not be used for air traffic control communications.
- (9) Aircraft operations are limited to U.S.-registered aircraft.
- (10) The stop buzzer contact for this project : William Wheeler  
wwheeler@phoenixair.com  
Mobile +1-678-313-1768

Special Conditions:

- (11) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (12) No automatic renewal for this authorization.