

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

EXPERIMENTAL

(Nature of Service)

WJ2XMH

(Call Sign)

XT      FX MO

(Class of Station)

0327-EX-CN-2018

(File Number)

NAME Ameren Services Company

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(a & j) of the Commission's Rules

Station Locations

- (1) Washington (PEORIA), IL - NL 40-42-57; WL 89-27-50; MOBILE: , within 15 km
- (2) Washington (PEORIA), IL - NL 40-42-57; WL 89-27-50; MOBILE: , within 15 km
- (3) Washington (PEORIA), IL - NL 40-42-57; WL 89-27-50; MOBILE: , within 15 km
- (4) Washington (PEORIA), IL - NL 40-47-30; WL 89-37-12; MOBILE: , within 15 km
- (5) Washington (PEORIA), IL - NL 40-47-30; WL 89-37-12; MOBILE: , within 15 km
- (6) Washington (PEORIA), IL - NL 40-47-30; WL 89-37-12; MOBILE: , within 15 km
- (7) Champaign (CHAMPAIGN), IL - NL 40-05-22; WL 88-14-38; MOBILE: , within 15 km
- (8) Champaign (CHAMPAIGN), IL - NL 40-05-22; WL 88-14-38; MOBILE: , within 15 km
- (9) Champaign (CHAMPAIGN), IL - NL 40-05-22; WL 88-14-38; MOBILE: , within 15 km
- (10) St. Louis (ST LOUIS), MO - NL 38-37-23; WL 90-12-39; MOBILE: , within 15 km
- (11) St. Louis (ST LOUIS), MO - NL 38-37-23; WL 90-12-39; MOBILE: , within 15 km
- (12) St. Louis (ST LOUIS), MO - NL 38-37-23; WL 90-12-39; MOBILE: , within 15 km
- (13) Marland Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km
- (14) Marland Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km
- (15) Marland Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km

This authorization effective May 10, 2018 and  
will expire 3:00 A.M. EST May 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Washington (PEORIA), IL - NL 40-42-57; WL 89-27-50; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

Washington (PEORIA), IL - NL 40-42-57; WL 89-27-50; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

## Frequency Information

Washington (PEORIA), IL - NL 40-42-57; WL 89-27-50; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

Washington (PEORIA), IL - NL 40-47-30; WL 89-37-12; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

## Frequency Information

Washington (PEORIA), IL - NL 40-47-30; WL 89-37-12; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

Washington (PEORIA), IL - NL 40-47-30; WL 89-37-12; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

## Frequency Information

Champaign (CHAMPAIGN), IL - NL 40-05-22; WL 88-14-38; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

Champaign (CHAMPAIGN), IL - NL 40-05-22; WL 88-14-38; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

## Frequency Information

Champaign (CHAMPAIGN), IL - NL 40-05-22; WL 88-14-38; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

St. Louis (ST LOUIS), MO - NL 38-37-23; WL 90-12-39; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 900.4-900.6 MHz | MO            | 2K00W9D             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

## Frequency Information

St. Louis (ST LOUIS), MO - NL 38-37-23; WL 90-12-39; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 939.4-939.6 MHz | FX            | 2K00W9D             | 1000 W (ERP)     | 0.00002 %                 |

St. Louis (ST LOUIS), MO - NL 38-37-23; WL 90-12-39; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 900.4-900.6 MHz | MO            | 2K00W9D             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 939.4-939.6 MHz | FX            | 2K00W9D             | 1000 W (ERP)     | 0.00002 %                 |

## Frequency Information

St. Louis (ST LOUIS), MO - NL 38-37-23; WL 90-12-39; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 900.4-900.6 MHz | MO            | 2K00W9D             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 939.4-939.6 MHz | FX            | 2K00W9D             | 1000 W (ERP)     | 0.00002 %                 |

Marlany Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |

## Frequency Information

Marlany Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

Marlany Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

Marlany Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 898-901 MHz     | MO            | 3M00W7W             | 5 W (ERP)        | 0.00002 %                 |
| 898.8-900.2 MHz | MO            | 1M40W7W             | 5 W (ERP)        | 0.00002 %                 |

## Frequency Information

Marlany Heights (ST LOUIS), MO - NL 38-43-08; WL 90-26-37; MOBILE: , within 15 km

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 937-940 MHz     | FX            | 3M00W7W             | 1000 W (ERP)     | 0.00002 %                 |
| 937.8-939.2 MHz | FX            | 1M40W7W             | 1000 W (ERP)     | 0.00002 %                 |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Licensee must obtain consent from the following within 80 km of the contours of the testing area:
  - SMR licensees (896-901 MHz/935-940 MHz)
  - B/ILT licensees (896-901 MHz/935-940 MHz)
  - Narrowband PCS licensees (901-902/930-931/940-941 MHz).