

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

EXPERIMENTAL

(Nature of Service)

WO9XFH

(Call Sign)

XT FX

(Class of Station)

1518-EX-ST-2019

(File Number)

NAME American Electric Power Service Corporation

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:

RF testing

Station Locations

(1) Columbus (FRANKLIN), OH - NL 39-48-25; WL 83-08-22

Frequency Information

Columbus (FRANKLIN), OH - NL 39-48-25; WL 83-08-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	NON	39.811 W (ERP)	0.001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.

This authorization effective October 01, 2019 and
will expire 3:00 A.M. EST March 10, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Licensee shall notch out the following:
 - 5900-6200 KHz
 - 7200-7450 KHz
 - 9400-9900 KHz
 - 11600-12100 KHz
 - 13570-13870 KHz
 - 15100-15800 KHz
 - 17480-17900 KHz
 - 18900-19020 KHz
 - 21450-21850 KHz
 - 25670-26100 KHz
- (4) Prior to commencing any operations in the frequencies below, licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - Paging Service licensees in 35 MHz
 - Paging Service licensees in 43 MHz
 - Paging Service licensees in 152 MHz
 - Paging Service licensees in 158 MHz
 - Paging Service licensees in 152 MHz/158 MHz
 - AMTS Licensee (217-218 MHz/219-220 MHz)
 - 218-219 MHz Service licensees
 - 220-222 MHz Service licensees
 - Paging Service licensees in 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
 - 700 MHz licensees (698-758 MHz and 775-788 MHz)
 - 700 MHz Lower Band licensees (698-746 MHz)
 - 700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - 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)
 - Location & Monitoring Service licensees (902-928 MHz)
 - Paging Service licensees in 929 MHz and 931 MHz
- (5) The authorized station is not permitted to operate in the 137-138 MHz, 400.15-403 MHz, and 449.75-450.25 MHz frequency bands.
- (6) The stop buzzer contact for this project is Richard Hibbeler
Phone: (703)726-5671
Email: rhibbele@comsearch.com
- (7) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (8) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (9) 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.

Special Conditions:

(10) 1.American Electric Power Service Company must notch out the following:

- 215-530 kHz
- 301 kHz (+/-118 Hz)
- 2495 - 2505 kHz
- 3024.4 kHz (+/-1.4 kHz)
- 4995 - 5005 kHz
- 5681.4 kHz (+/-1.4 kHz)
- 2104.9 kHz (+/-1.4 kHz)
- 2668.4 kHz (+/-1.4 kHz)
- 2671.4 kHz (+/-1.4 kHz)
- 2687.4 kHz (+/-1.4 kHz)
- 2703.4 kHz (+/-1.4 kHz)
- 5321.4 kHz (+/-1.4 kHz)
- 5423.9 kHz (+/-1.4 kHz)
- 9995 - 10005 kHz
- 14990 - 15010 kHz
- 19990 - 20010 kHz
- 24990 - 25010 kHz
- 74.6-75.4 MHz
- 108-137 MHz
- 121.5 MHz (+/-12.5 kHz)
- 123.1 MHz (+/-12.5 kHz)
- 139.7 MHz (+/-3kHz)
- 141.55 MHz (+/-5.5kHz)
- 142.825 MHz (+/-5.5kHz)
- 149.2 MHz (+/-5.5kHz)
- 150.3 MHz (+/-5.5kHz)
- 150.7 MHz (+/-5.5kHz)
- 151.1450 MHz (+/-12.5 kHz)
- 156.300 MHz (+/-12.5 kHz)
- 156.650 MHz (+/-12.5 kHz)
- 156.800 MHz (+/-12.5 kHz)
- 156.525 MHz (+/-12.5 kHz)
- 156.7 MHz (+/-8kHz)
- 159.2550 MHz (+/-12.5 kHz)
- 161.975 MHz (+/-12.5 kHz)
- 162.025 MHz (+/-12.5 kHz)
- 162.325 MHz (+/-5.5 kHz)
- 162.5 MHz (+/-12.5 kHz)
- 162.55 MHz (+/-12.5 kHz)
- 163.05 MHz (+/-5.5 kHz)
- 164.3 MHz (+/-5.5 kHz)
- 164.55 MHz (+/-5.5 kHz)
- 164.5625 MHz (+/-5.5 kHz)
- 165.3125 MHz (+/-5.5 kHz)
- 165.3375 MHz (+/-5.5 kHz)
- 166.9125 MHz (+/-12.5 kHz)
- 169.5500 MHz (+/-12.5 kHz)
- 166.6625 MHz (+/-12.5 kHz)
- 169.175 MHz (+/-12.5 kHz)
- 166.5 MHz (+/-12.5 kHz)
- 171.3375 MHz (+/-5.5kHz)

Special Conditions: 172.3125 MHz (+/-5.5kHz)

- 225 - 328.6 MHz
 - 328.6-335.4 MHz
 - 335.4 - 399.9 MHz
 - 400.15 - 406 MHz
 - 406 - 406.1 MHz
 - 410.075 MHz (+/- 12.5 kHz)
 - 410.125 MHz (+/-5.5 kHz)
 - 410.9 MHz (+/-5.5 kHz)
 - 411.7875 MHz (+/-5.5 kHz)
 - 411.8125 MHz (+/-5.5 kHz)
 - 411.8375 MHz (+/-5.5 kHz)
 - 411.8625 MHz (+/-5.5 kHz)
 - 411.8875 MHz (+/-5.5 kHz)
 - 412.3875 MHz (+/-5.5 kHz)
 - 412.925 MHz (+/-5.5 kHz)
 - 412.95 MHz (+/-5.5 kHz)
 - 412.975 MHz (+/-5.5 kHz)
 - 413 MHz (+/-5.5 kHz)
 - 413.025 MHz (+/-5.5 kHz)
 - 415.0375 MHz (+/-5.5 kHz)
 - 415.0625 MHz (+/-5.5 kHz)
 - 419.125 MHz (+/-5.5 kHz)
 - 419.9 MHz (+/-5.5 kHz)
 - 980-1000 MHz
- (11) American Electric Power Service Corporation must adhere to the Special Conditions in Attachment 229996.
- (12) American Electric Power Service Corporation must notch out the following:
- a. Spot Frequencies: 169.900 MHz
 - b. Band(s): 13360 - 13410 kHz, 25550 - 25670 kHz, 37.5 - 38.25 MHz, 73 - 74.6 MHz, 406.1 - 410 MHz