

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

EXPERIMENTAL

(Nature of Service)

WO9XFH

(Call Sign)

XT FX

(Class of Station)

1723-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) Corpus Christi (NUECES), TX - NL 27-51-01; WL 97-36-55

Frequency Information

Corpus Christi (NUECES), TX - NL 27-51-01; WL 97-36-55

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

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) 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.

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) 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.
- (4) 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.
- (5) The stop buzzer contact for this project is Richard Hibbeler
Phone: (703)726-5671
Email: rhibbele@comsearch.com
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (8) 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.
- (9) American Electric Power Service Corporation must notch out Band 14 from this STA application.
- (10) American Electric Power Service Corporation must notch out the following frequencies:
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,

Special Conditions:

- (11) The applicant 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)
 - 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
- (12) American Electric Power Service Corporation may not operate in the following bands in order to protect the Radio Astronomy Service, IAW Footnotes US246 & US342: 13.36 - 13.41 MHz, 25.55 - 26.67 MHz, 37.40 - 38.25 MHz, 73.00 - 74.60 MHz, 406.1 - 410 MHz, 608.0 - 614.0 MHz.
- (13) American Electric Power Service Corporation may not operate in the following bands in order to protect Air Traffic operations: 215 - 530 kHz, 74.6 - 75.4 MHz, 108 - 137 MHz, 242.9 - 243.1 MHz, 328.6 - 335.4 MHz, 980 - 1000 MHz.
- (14) American Electric Power Service Corporation must notch out the 162 - 174 MHz and the 406 - 420 MHz band in order to protect the operations of multiple federal agencies.

Special Conditions:

- (15) American Electric Power Service Corporation must notch out the following in order to protect ongoing operations:
- a. (+/- 118 Hz) 301 kHz
 - b. (+/- 1.4 kHz) 2183.4 kHz, 2187.5 kHz, 2264.4 kHz, 2671.4 kHz, 2684.4 kHz, 2700.4 kHz, 3054.4 kHz, 3057.4 kHz, 3120.4 kHz, 3123.4 kHz, 4731.4 kHz, 4734.4 kHz, 5321.4 kHz, 5694.4 kHz, 5697.4 kHz, 5700.4 kHz, 6710.4 kHz, 6743.4 kHz, 8981.4 kHz, 8984.4 kHz, 9035.4 kHz, 9038.4 kHz, 11197.4 kHz, 11200.4 kHz, 11203.4 kHz, 13219.4 kHz, 13222.4 kHz, 15083.4 kHz, 15086.4 kHz, 15089.4 kHz, 17989.4 kHz, 17992.4 kHz, 237.9 MHz,
 - c. (+/- 6 kHz) 530 kHz and 1610 kHz
 - d. (+/- 8 kHz) 156.6 MHz, 157.05 MHz, 157.075 MHz, 157.1 MHz, 157.15 MHz, 157.175 MHz
 - e. (+/- 10 kHz) 161.975 MHz
 - f. (+/- 12.5 kHz) 121.5 MHz, 123.1 MHz, 154.005 MHz, 154.4 MHz, 156.030 MHz, 156.3 MHz, 156.525 MHz, 156.650 MHz, 156.8 MHz, 161.975 MHz, 162.025 MHz, 243.000 MHz, 282.8 MHz, 326.15 MHz, 345.000 MHz, 379.05 MHz
- (16) American Electric Power Service Corporation should be aware the coordination with local FAA Air Traffic Control Towers does not fulfill the complete coordination requirement with FAA. American Electric Power Service Corporation must also coordinate any request that falls within the FAA engineered bands via the FAA WebFCR portal in order to obtain coordination with the national FAA Spectrum Office.
- (17) American Electric Power Service Corporation must comply with the notch out indicated in PDF attachment entitled "Incoming generated [Sep 13 2019]."