

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

EXPERIMENTAL

(Nature of Service)

WO9XFH

(Call Sign)

XT FX

(Class of Station)

0336-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) 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.

This authorization effective April 08, 2019 and
will expire 3:00 A.M. EST April 25, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) American Electric Power Service Corporation must notch out the following:

215 kHz - 543 kHz
1610 kHz (+/- 12.5 kHz)
2183.4 kHz(+/-1.4 kHz)
2187.5 kHz (+/-102 Hz)
2262.4 kHz (+/-1.4 kHz)
2671.4 kHz (+/-1.4 kHz)
2684.4 kHz (+/-1.4 kHz)
2700.4 kHz (+/-1.4 kHz)
3054.4 kHz (+/-1.4 kHz)
3057.4 kHz (+/-1.4 kHz)
3120.4 kHz (+/-1.4 kHz)
3123.4 kHz (+/-1.4 kHz)
4731.4 kHz (+/-1.4 kHz)
4734.4 kHz (+/-1.4 kHz)
5321.4 kHz (+/-1.4 kHz)
5694.4 kHz (+/-1.4 kHz)
5697.4 kHz (+/-1.4 kHz)
5700.4 kHz (+/-1.4 kHz)
6710.4 kHz (+/-1.4 kHz)
6743.4 kHz (+/-1.4 kHz)
8981.4 kHz (+/-1.4 kHz)
8984.4 kHz (+/-1.4 kHz)
9035.4 kHz (+/-1.4 kHz)
9038.4 kHz (+/-1.4 kHz)
11197.4 kHz (+/-1.4 kHz)
11200.4 kHz (+/-1.4 kHz)
11203.4 kHz (+/-1.4 kHz)
13219.4 kHz (+/-1.4 kHz)
13222.4 kHz (+/-1.4 kHz)
15083.4 kHz (+/-1.4 kHz)
15086.4 kHz (+/-1.4 kHz)
15089.4 kHz (+/-1.4 kHz)
17989.4 kHz (+/-1.4 kHz)
17992.4 kHz (+/-1.4 kHz)
108 MHz - 137 MHz
154.055 MHz (+/- 12.5 kHz)
154.4 MHz (+/- 12.5 kHz)
156.03 MHz (+/- 12.5 kHz)
156.3 MHz (+/- 12.5 kHz)
156.525 MHz (+/- 12.5 kHz)
156.650 MHz (+/- 12.5 kHz)
156.800 MHz (+/- 12.5 kHz)
161.975 MHz (+/- 12.5 kHz)
162.025 MHz (+/- 12.5 kHz)
162.1625 MHz (+/- 12.5 kHz)
162.7 MHz (+/- 5.5 kHz)
162.9625 MHz (+/- 12.5 kHz)
163.1375 MHz (+/- 5.5K)
164.3625 MHz (+/- 12.5 kHz)
164.450 MHz (+/- 5.5 kHz)
164.9 MHz (+/- 5.5K)

Special 165.6 MHz (+/- 12.5 kHz)
 166.2375 MHz (+/- 12.5 kHz)
 166.3 MHz (+/- 12.5 kHz)
 166.4625 MHz (+/- 5.5K)
 166.5625 MHz (+/- 12.5 kHz)
 166.6625 MHz (+/- 12.5 kHz)
 167.45 MHz (+/- 12.5 kHz)
 167.475 MHz (+/- 12.5 kHz)
 167.675 MHz (+/- 5.5 kHz)
 167.55 MHz (+/- 12.5 kHz)
 168.025 MHz (+/- 12.5 kHz)
 168.625 MHz (+/- 12.5 kHz)
 168.6625 MHz (+/- 12.5 kHz)
 168.675 MHz (+/- 12.5 kHz)
 168.775 MHz (+/- 12.5 kHz)
 169.175 MHz (+/- 12.5 kHz)
 169.625 MHz (+/- 12.5 kHz)
 169.675 MHz (+/- 12.5 kHz)
 169.9 MHz (+/- 12.5 kHz)
 169.95 MHz (+/- 12.5 kHz)
 170 MHz (+/- 12.5 kHz)
 170.75 MHz (+/- 5.5)
 171.1625 MHz (+/- 12.5 kHz)
 171.3375 MHz (+/- 5.5K)
 171.2375 MHz (+/- 5.5K)
 171.35 MHz (+/- 5.5K)
 171.675 MHz (+/- 12.5 kHz)
 171.7875 MHz (+/- 12.5 kHz)
 172.325 MHz (+/- 12.5 kHz)
 172.4625 MHz (+/- 12.5 kHz)
 172.5125 MHz (+/- 12.5 kHz)
 173.675 MHz (+/- 12.5 kHz)
 237.9 MHz (+/- 12.5 kHz)
 242.9 MHz - 243.1 MHz
 282.8 MHz (+/- 12.5 kHz)
 326.15 MHz (+/- 12.5 kHz)
 328.6 MHz - 335.4 MHz
 345 MHz (+/- 12.5 kHz)
 379.05 MHz (+/- 12.5 kHz)
 412.975 MHz (+/- 5.5K)
 413 MHz (+/- 5.5K)
 413.025 MHz (+/- 5.5K)
 980 MHz - 1000 MHz

- (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) The authorized herein must not be used for air traffic control communications.
- (7) 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.

Special Conditions:

- (8) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (9) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (10) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (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) American Electric Power Service Corporation must notch out Band 14 from this STA application.
- (13) 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,
- (14) The applicant shall coordinate with the local Society of Broadcast Engineers frequency coordinator and with the Fixed Microwave Service licensees in accordance with 47 CFR. Part 101.103(d) prior to commencing the test operations.
- (15) 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

Special Conditions:

- (16) The applicant shall notch out the frequency ranges (MAG bands) 225 to 328.6 MHz and 335.4 to 399.9 MHz.