

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

EXPERIMENTAL

(Nature of Service)

WL2XAG

(Call Sign)

XT FX MO

(Class of Station)

0008-EX-CN-2020

(File Number)

NAME AES Corporation

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(J) of the Commission's Rules

Station Locations

- (1) Peabody (ESSEX), MA - NL 42-33-20; WL 70-58-44; MOBILE: , within 5 km, centered around NL 42-33-20; WL 70-58-44
- (2) Newburyport (ESSEX), MA - NL 42-48-22; WL 70-51-26; MOBILE: , within 5 km, centered around NL 42-48-22; WL 70-51-26
- (3) Salisbury (ESSEX), MA - NL 42-51-52; WL 70-49-00; MOBILE: , within 5 km, centered around NL 42-51-52; WL 70-49-00
- (4) Reading (ESSEX), MA - NL 42-31-36; WL 71-05-58; MOBILE: , within 5 km, centered around NL 42-31-36; WL 71-05-58

Frequency Information

Peabody (ESSEX), MA - NL 42-33-20; WL 70-58-44; MOBILE: , within 5 km, centered around NL 42-33-20; WL 70-58-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4 MHz	FX	11K2F2D	5 W (ERP)	
49.83 MHz	FX	11K2F2D	5 W (ERP)	

This authorization effective May 22, 2020 and
will expire 3:00 A.M. EST June 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Peabody (ESSEX), MA - NL 42-33-20; WL 70-58-44; MOBILE: , within 5 km, centered around NL 42-33-20; WL 70-58-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
142.275 MHz	FX	11K2F2D	5 W (ERP)	
143.775 MHz	FX	11K2F2D	5 W (ERP)	
150.17 MHz	FX	11K2F2D	5 W (ERP)	
151.835 MHz	FX	11K2F2D	5 W (ERP)	
151.97 MHz	FX	11K2F2D	5 W (ERP)	
153.11 MHz	FX	11K2F2D	5 W (ERP)	
153.635 MHz	FX	11K2F2D	5 W (ERP)	
154.515 MHz	FX	11K2F2D	5 W (ERP)	
154.57 MHz	FX	11K2F2D	5 W (ERP)	
158.4 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Peabody (ESSEX), MA - NL 42-33-20; WL 70-58-44; MOBILE: , within 5 km, centered around NL 42-33-20; WL 70-58-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
163.98 MHz	FX	11K2F2D	5 W (ERP)	
168.75 MHz	FX	11K2F2D	5 W (ERP)	
172.23 MHz	FX	11K2F2D	5 W (ERP)	
451.3375 MHz	FX	11K2F2D	5 W (ERP)	
451.7625 MHz	FX	11K2F2D	5 W (ERP)	
452.0375 MHz	FX	11K2F2D	5 W (ERP)	
452.8625 MHz	FX	11K2F2D	5 W (ERP)	
456.3375 MHz	FX	11K2F2D	5 W (ERP)	
456.6125 MHz	FX	11K2F2D	5 W (ERP)	
462.2125 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Peabody (ESSEX), MA - NL 42-33-20; WL 70-58-44; MOBILE: , within 5 km, centered around NL 42-33-20; WL 70-58-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
462.3125 MHz	FX	11K2F2D	5 W (ERP)	
462.3375 MHz	FX	11K2F2D	5 W (ERP)	
462.3875 MHz	FX	11K2F2D	5 W (ERP)	
462.4375 MHz	FX	11K2F2D	5 W (ERP)	
467.2125 MHz	FX	11K2F2D	5 W (ERP)	
467.3125 MHz	FX	11K2F2D	5 W (ERP)	
467.3375 MHz	FX	11K2F2D	5 W (ERP)	
467.3875 MHz	FX	11K2F2D	5 W (ERP)	
467.4375 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Newburyport (ESSEX), MA - NL 42-48-22; WL 70-51-26; MOBILE: , within 5 km, centered around NL 42-48-22; WL 70-51-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4 MHz	FX	11K2F2D	5 W (ERP)	
49.83 MHz	FX	11K2F2D	5 W (ERP)	
142.275 MHz	FX	11K2F2D	5 W (ERP)	
143.775 MHz	FX	11K2F2D	5 W (ERP)	
150.17 MHz	FX	11K2F2D	5 W (ERP)	
151.835 MHz	FX	11K2F2D	5 W (ERP)	
151.97 MHz	FX	11K2F2D	5 W (ERP)	
153.11 MHz	FX	11K2F2D	5 W (ERP)	
153.635 MHz	FX	11K2F2D	5 W (ERP)	
154.515 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Newburyport (ESSEX), MA - NL 42-48-22; WL 70-51-26; MOBILE: , within 5 km, centered around NL 42-48-22; WL 70-51-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.57 MHz	FX	11K2F2D	5 W (ERP)	
158.4 MHz	FX	11K2F2D	5 W (ERP)	
163.98 MHz	FX	11K2F2D	5 W (ERP)	
168.75 MHz	FX	11K2F2D	5 W (ERP)	
172.23 MHz	FX	11K2F2D	5 W (ERP)	
451.3375 MHz	FX	11K2F2D	5 W (ERP)	
451.7625 MHz	FX	11K2F2D	5 W (ERP)	
452.0375 MHz	FX	11K2F2D	5 W (ERP)	
452.8625 MHz	FX	11K2F2D	5 W (ERP)	
456.3375 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Newburyport (ESSEX), MA - NL 42-48-22; WL 70-51-26; MOBILE: , within 5 km, centered around NL 42-48-22; WL 70-51-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
456.6125 MHz	FX	11K2F2D	5 W (ERP)	
462.2125 MHz	FX	11K2F2D	5 W (ERP)	
462.3125 MHz	FX	11K2F2D	5 W (ERP)	
462.3375 MHz	FX	11K2F2D	5 W (ERP)	
462.3875 MHz	FX	11K2F2D	5 W (ERP)	
462.4375 MHz	FX	11K2F2D	5 W (ERP)	
467.2125 MHz	FX	11K2F2D	5 W (ERP)	
467.3125 MHz	FX	11K2F2D	5 W (ERP)	
467.3375 MHz	FX	11K2F2D	5 W (ERP)	
467.3875 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Newburyport (ESSEX), MA - NL 42-48-22; WL 70-51-26; MOBILE: , within 5 km, centered around NL 42-48-22; WL 70-51-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.4375 MHz	FX	11K2F2D	5 W (ERP)	

Salisbury (ESSEX), MA - NL 42-51-52; WL 70-49-00; MOBILE: , within 5 km, centered around NL 42-51-52; WL 70-49-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4 MHz	FX	11K2F2D	5 W (ERP)	
49.83 MHz	FX	11K2F2D	5 W (ERP)	
142.275 MHz	FX	11K2F2D	5 W (ERP)	
143.775 MHz	FX	11K2F2D	5 W (ERP)	
150.17 MHz	FX	11K2F2D	5 W (ERP)	
151.835 MHz	FX	11K2F2D	5 W (ERP)	
151.97 MHz	FX	11K2F2D	5 W (ERP)	
153.11 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Salisbury (ESSEX), MA - NL 42-51-52; WL 70-49-00; MOBILE: , within 5 km, centered around NL 42-51-52; WL 70-49-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.635 MHz	FX	11K2F2D	5 W (ERP)	
154.515 MHz	FX	11K2F2D	5 W (ERP)	
154.57 MHz	FX	11K2F2D	5 W (ERP)	
158.4 MHz	FX	11K2F2D	5 W (ERP)	
163.98 MHz	FX	11K2F2D	5 W (ERP)	
168.75 MHz	FX	11K2F2D	5 W (ERP)	
172.23 MHz	FX	11K2F2D	5 W (ERP)	
451.3375 MHz	FX	11K2F2D	5 W (ERP)	
451.7625 MHz	FX	11K2F2D	5 W (ERP)	
452.0375 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Salisbury (ESSEX), MA - NL 42-51-52; WL 70-49-00; MOBILE: , within 5 km, centered around NL 42-51-52; WL 70-49-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
452.8625 MHz	FX	11K2F2D	5 W (ERP)	
456.3375 MHz	FX	11K2F2D	5 W (ERP)	
456.6125 MHz	FX	11K2F2D	5 W (ERP)	
462.2125 MHz	FX	11K2F2D	5 W (ERP)	
462.3125 MHz	FX	11K2F2D	5 W (ERP)	
462.3375 MHz	FX	11K2F2D	5 W (ERP)	
462.3875 MHz	FX	11K2F2D	5 W (ERP)	
462.4375 MHz	FX	11K2F2D	5 W (ERP)	
467.2125 MHz	FX	11K2F2D	5 W (ERP)	
467.3125 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Salisbury (ESSEX), MA - NL 42-51-52; WL 70-49-00; MOBILE: , within 5 km, centered around NL 42-51-52; WL 70-49-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.3375 MHz	FX	11K2F2D	5 W (ERP)	
467.3875 MHz	FX	11K2F2D	5 W (ERP)	
467.4375 MHz	FX	11K2F2D	5 W (ERP)	

Reading (ESSEX), MA - NL 42-31-36; WL 71-05-58; MOBILE: , within 5 km, centered around NL 42-31-36; WL 71-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4 MHz	FX	11K2F2D	5 W (ERP)	
49.83 MHz	FX	11K2F2D	5 W (ERP)	
142.275 MHz		11K2F2D	5 W (ERP)	
143.775 MHz	FX	11K2F2D	5 W (ERP)	
150.17 MHz	FX	11K2F2D	5 W (ERP)	
151.835 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Reading (ESSEX), MA - NL 42-31-36; WL 71-05-58; MOBILE: , within 5 km, centered around NL 42-31-36; WL 71-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.97 MHz	FX	11K2F2D	5 W (ERP)	
153.11 MHz	FX	11K2F2D	5 W (ERP)	
153.635 MHz	FX	11K2F2D	5 W (ERP)	
154.515 MHz	FX	11K2F2D	5 W (ERP)	
154.57 MHz	FX	11K2F2D	5 W (ERP)	
158.4 MHz	FX	11K2F2D	5 W (ERP)	
163.98 MHz	FX	11K2F2D	5 W (ERP)	
168.75 MHz	FX	11K2F2D	5 W (ERP)	
172.23 MHz	FX	11K2F2D	5 W (ERP)	
451.3375 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Reading (ESSEX), MA - NL 42-31-36; WL 71-05-58; MOBILE: , within 5 km, centered around NL 42-31-36; WL 71-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.7625 MHz	FX	11K2F2D	5 W (ERP)	
452.0375 MHz	FX	11K2F2D	5 W (ERP)	
452.8625 MHz	FX	11K2F2D	5 W (ERP)	
456.3375 MHz	FX	11K2F2D	5 W (ERP)	
456.6125 MHz	FX	11K2F2D	5 W (ERP)	
462.2125 MHz	FX	11K2F2D	5 W (ERP)	
462.3125 MHz	FX	11K2F2D	5 W (ERP)	
462.3375 MHz	FX	11K2F2D	5 W (ERP)	
462.3875 MHz	FX	11K2F2D	5 W (ERP)	
462.4375 MHz	FX	11K2F2D	5 W (ERP)	

Frequency Information

Reading (ESSEX), MA - NL 42-31-36; WL 71-05-58; MOBILE: , within 5 km, centered around NL 42-31-36; WL 71-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.2125 MHz	FX	11K2F2D	5 W (ERP)	
467.3125 MHz	FX	11K2F2D	5 W (ERP)	
467.3375 MHz	FX	11K2F2D	5 W (ERP)	
467.3875 MHz	FX	11K2F2D	5 W (ERP)	
467.4375 MHz	FX	11K2F2D	5 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Prior to commencing any operations in the frequencies below, AES Corporation must obtain consent from the following within 50 miles of the contours of the testing area:
 - > Paging Service licensees in 158 MHz
 - > Paging Service licensees in 152 MHz/158 MHz
- (4) AES Corporation must coordinate with the local Society of Broadcast Engineers frequency coordinator in each proposed location prior to operation in the frequency bands centered at 153.11 MHz, 153.635 MHz, 158.4 MHz, 163.98 MHz, 168.75 MHz, 172.23 MHz, 451.3375 MHz, 451.7625 MHz, 452.0375 MHz, and 452.8625 MHz. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.