

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WF2XXR

(Call Sign)

0386-EX-CR-2018

(File Number)

NAME CACI Technologies Inc

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) FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-31-21
- (2) FT DIX (BURLINGTON), NJ - NL 40-01-10; WL 74-32-55
- (3) FT DIX (BURLINGTON), NJ - NL 40-02-26; WL 74-27-56
- (4) FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-27-16
- (5) ft dix (BURLINGTON), NJ - NL 40-00-49; WL 74-27-21
- (6) FT DIX (BURLINGTON), NJ - NL 39-59-03; WL 74-27-45
- (7) LAKEHURST (BURLINGTON), NJ - NL 40-02-09; WL 74-23-42
- (8) LAKEHURST (BURLINGTON), NJ - NL 40-01-07; WL 74-22-25
- (9) LAKEHURST (BURLINGTON), NJ - NL 40-01-02; WL 74-24-08
- (10) LAKEHURST (BURLINGTON), NJ - NL 40-01-54; WL 74-20-48
- (11) LAKEHURST (BURLINGTON), NJ - NL 40-01-38; WL 74-20-06

Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-31-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-31-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-10; WL 74-32-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
946-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-02-26; WL 74-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-27-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

ft dix (BURLINGTON), NJ - NL 40-00-49; WL 74-27-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

FT DIX (BURLINGTON), NJ - NL 39-59-03; WL 74-27-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 MW (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 MW (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-02-09; WL 74-23-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 MW (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 MW (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-07; WL 74-22-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-02; WL 74-24-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-54; WL 74-20-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-38; WL 74-20-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-889.8 MHz	FX	300KG7W	2.5 W (ERP)	
900-915 MHz	FX	300KG7W	2.5 W (ERP)	
925-934.8 MHz	FX	300KG7W	2.5 W (ERP)	
945-960 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1780-1850 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1805-1880 MHz	FX	300KG7W	2.5 W (ERP)	
1972.4-1977.4 MHz	FX	5M00F9W	20 W (ERP)	
2162.4-2167.4 MHz	FX	5M00F9W	20 W (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Prior to commencing any operations, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - Cellular licensees (824-849 MHz/869-894 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)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (5) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 925-934.8 MHz and 945-960 MHz bands.
- (6) Coordinate with the Fixed Microwave Service licensees prior to operation in 925-934.8 MHz and 945-960 MHz bands.