

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WJ2XVJ

(Call Sign)

0200-EX-CM-2019

(File Number)

NAME Arkenets, 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) Belmont (MIDDLESEX), MA - NL 42-23-47; WL 71-10-46
- (2) Burlington (MIDDLESEX), MA - NL 42-28-40; WL 71-11-49
- (3) Boston (SUFFOLK), MA - NL 42-20-47; WL 71-05-52
- (4) Foxboro (NORFOLK), MA - NL 42-05-50; WL 71-16-12
- (5) Mattapoisett (PLYMOUTH), MA - NL 41-39-09; WL 70-45-25
- (6) Stow (MIDDLESEX), MA - NL 42-27-39; WL 71-31-07
- (7) Boston (SUFFOLK), MA - NL 42-21-19; WL 71-03-52
- (8) Burlington (MIDDLESEX), MA - NL 42-28-45; WL 71-12-31
- (9) Acton (MIDDLESEX), MA - NL 42-29-56; WL 71-27-41
- (10) Needham (NORFOLK), MA - NL 42-17-28; WL 71-15-14
- (11) Wellesley (NORFOLK), MA - NL 42-17-43; WL 71-15-55
- (12) Boston (SUFFOLK), MA - NL 42-18-51; WL 71-02-11
- (13) Westwood (NORFOLK), MA - NL 42-14-12; WL 71-12-33
- (14) Hingham (PLYMOUTH), MA - NL 42-11-41; WL 70-54-59
- (15) Cambridge (MIDDLESEX), MA - NL 42-21-37; WL 71-05-22
- (16) San Bernardino (SAN BERNARDINO), CA - NL 34-05-52; WL 117-14-49
- (17) Orlando (ORANGE), FL - NL 28-25-10; WL 81-15-46
- (18) Newport (NEWPORT), RI - NL 41-29-26; WL 71-19-20
- (19) San Bernardino (SAN BERNARDINO), CA - NL 34-05-20; WL 117-15-27
- (20) San Bernardino, CA - NL 34-05-20; WL 117-15-27

This authorization effective August 29, 2019 and
will expire 3:00 A.M. EST January 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Belmont (MIDDLESEX), MA - NL 42-23-47; WL 71-10-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Burlington (MIDDLESEX), MA - NL 42-28-40; WL 71-11-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Boston (SUFFOLK), MA - NL 42-20-47; WL 71-05-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Foxboro (NORFOLK), MA - NL 42-05-50; WL 71-16-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Frequency Information

Mattapoisett (PLYMOUTH), MA - NL 41-39-09; WL 70-45-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Stow (MIDDLESEX), MA - NL 42-27-39; WL 71-31-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Boston (SUFFOLK), MA - NL 42-21-19; WL 71-03-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Burlington (MIDDLESEX), MA - NL 42-28-45; WL 71-12-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	0.001 %

Frequency Information

Acton (MIDDLESEX), MA - NL 42-29-56; WL 71-27-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Needham (NORFOLK), MA - NL 42-17-28; WL 71-15-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Wellesley (NORFOLK), MA - NL 42-17-43; WL 71-15-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Boston (SUFFOLK), MA - NL 42-18-51; WL 71-02-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Frequency Information

Westwood (NORFOLK), MA - NL 42-14-12; WL 71-12-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Hingham (PLYMOUTH), MA - NL 42-11-41; WL 70-54-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Cambridge (MIDDLESEX), MA - NL 42-21-37; WL 71-05-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

San Bernardino (SAN BERNARDINO), CA - NL 34-05-52; WL 117-14-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Frequency Information

Orlando (ORANGE), FL - NL 28-25-10; WL 81-15-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Newport (NEWPORT), RI - NL 41-29-26; WL 71-19-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

San Bernardino (SAN BERNARDINO), CA - NL 34-05-20; WL 117-15-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

San Bernardino, CA - NL 34-05-20; WL 117-15-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	FX	150MF0N	59 W (ERP)	

Special Conditions:

- (1) Marketing of devices (as defined in 47CFR2.803 of this chapter) or provision of services for hire is not permitted.
- (2) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (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.

Special Conditions:

- (4) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (5) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (6) Arkenets, Inc. should be aware that the 9500-9800 MHz band is allocated to federal services. Operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA Radar operation.
- (7) Arkenets, Inc. is allowed to operate a total number no greater than 120 UAV detection equipment at any given time amongst all of their locations on the license.
- (8) Stop Buzzer POC is Andrew Bennett.
Phone: 617-213-0033