

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WG2XYE

(Call Sign)

0016-EX-ML-2014

(File Number)

NAME i4C Innovations 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(h i) of the Commission's Rules

Station Locations

- (1) Chantilly (FAIRFAX), VA - NL 38-54-33; WL 77-27-00
- (2) Ithaca (TOMPKINS), NY - NL 42-26-53; WL 76-27-52
- (3) Greenville (GREENVILLE), SC - NL 34-51-21; WL 82-21-34
- (4) Syracuse (ONONDAGA), NY - NL 43-02-15; WL 76-07-50
- (5) MOBILE: Lake Park, GA, within 5 km, centered around NL 30-41-02; WL 83-12-36
- (6) MOBILE: Camden, AL, within 5 km, centered around NL 31-57-42; WL 87-09-58
- (7) MOBILE: San Diego, CA, within 5 km, centered around NL 32-47-06; WL 117-05-18
- (8) MOBILE: Oceanside, CA, within 5 km, centered around NL 33-11-38; WL 117-20-29
- (9) MOBILE: Costa Mesa, CA, within 5 km, centered around NL 33-39-29; WL 117-53-25
- (10) MOBILE: San Gabriel, CA, within 5 km, centered around NL 34-07-12; WL 118-04-45
- (11) MOBILE: Pasadena, CA, within 5 km, centered around NL 34-59-02; WL 118-07-17
- (12) MOBILE: Chester, VA, within 5 km, centered around NL 37-22-00; WL 77-27-54
- (13) MOBILE: Mechanicsville, VA, within 5 km, centered around NL 37-39-38; WL 77-23-41
- (14) MOBILE: Colonial Beach, VA, within 5 km, centered around NL 38-16-07; WL 76-59-00
- (15) MOBILE: Fredericksburg, VA, within 5 km, centered around NL 38-21-04; WL 77-39-46
- (16) MOBILE: Alexandria, VA, within 5 km, centered around NL 38-46-31; WL 77-04-49
- (17) MOBILE: Centerville, VA, within 5 km, centered around NL 38-50-27; WL 77-27-05
- (18) MOBILE: Arlington, VA, within 5 km, centered around NL 38-51-57; WL 77-03-46
- (19) MOBILE: Herndon, VA, within 5 km, centered around NL 38-54-40; WL 77-24-28
- (20) MOBILE: Chantilly, VA, within 5 km, centered around NL 38-54-51; WL 77-31-42
- (21) MOBILE: Washington, DC, within 5 km, centered around NL 38-56-26; WL 77-01-57
- (22) MOBILE: Reston, VA, within 5 km, centered around NL 38-57-18; WL 77-21-19
- (23) MOBILE: Sterling, VA, within 5 km, centered around NL 39-01-52; WL 77-23-45
- (24) MOBILE: Sharon, PA, within 5 km, centered around NL 41-14-56; WL 80-29-35
- (25) MOBILE: Rochester, NY, within 5 km, centered around NL 43-15-34; WL 77-39-24

This authorization effective February 11, 2014 and
will expire 3:00 A.M. EST January 01, 2015

FEDERAL
COMMUNICATIONS
COMMISSION



Station Locations

- (26) MOBILE: Delaplane, VA, within 5 km, centered around NL 38-52-46; WL 77-55-08
 (27) MOBILE: Arlington, VA, within 5 km, centered around NL 38-55-10; WL 77-07-11
 (28) MOBILE: Riva, MD, within 5 km, centered around NL 38-56-51; WL 76-34-55
 (29) MOBILE: Baltimore, MD, within 5 km, centered around NL 39-20-09; WL 76-37-55
 (30) MOBILE: Rosedale, MD, within 5 km, centered around NL 39-21-06; WL 76-28-34
 (31) MOBILE: Baldwin, MD, within 5 km, centered around NL 39-31-22; WL 76-28-38
 (32) MOBILE: Monkton, MD, within 5 km, centered around NL 39-34-34; WL 76-33-46
 (33) MOBILE: Monkton, MD, within 5 km, centered around NL 39-36-13; WL 76-32-26

Frequency Information

Chantilly (FAIRFAX), VA - NL 38-54-33; WL 77-27-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	FX	4G90N0N	0.221 mW (ERP)	

Ithaca (TOMPKINS), NY - NL 42-26-53; WL 76-27-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	FX	4G90N0N	0.221 mW (ERP)	

Greenville (GREENVILLE), SC - NL 34-51-21; WL 82-21-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	FX	4G90N0N	0.221 mW (ERP)	

Frequency Information

Syracuse (ONONDAGA), NY - NL 43-02-15; WL 76-07-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	FX	4G90N0N	0.221 mW (ERP)	

MOBILE: Lake Park, GA, within 5 km, centered around NL 30-41-02; WL 83-12-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Camden, AL, within 5 km, centered around NL 31-57-42; WL 87-09-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: San Diego, CA, within 5 km, centered around NL 32-47-06; WL 117-05-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

Frequency Information

MOBILE: Oceanside, CA, within 5 km, centered around NL 33-11-38; WL 117-20-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Costa Mesa, CA, within 5 km, centered around NL 33-39-29; WL 117-53-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: San Gabriel, CA, within 5 km, centered around NL 34-07-12; WL 118-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Pasadena, CA, within 5 km, centered around NL 34-59-02; WL 118-07-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

Frequency Information

MOBILE: Chester, VA, within 5 km, centered around NL 37-22-00; WL 77-27-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Mechanicsville, VA, within 5 km, centered around NL 37-39-38; WL 77-23-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Colonial Beach, VA, within 5 km, centered around NL 38-16-07; WL 76-59-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Fredericksburg, VA, within 5 km, centered around NL 38-21-04; WL 77-39-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

Frequency Information

MOBILE: Alexandria, VA, within 5 km, centered around NL 38-46-31; WL 77-04-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Centerville, VA, within 5 km, centered around NL 38-50-27; WL 77-27-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Arlington, VA, within 5 km, centered around NL 38-51-57; WL 77-03-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Herndon, VA, within 5 km, centered around NL 38-54-40; WL 77-24-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

Frequency Information

MOBILE: Chantilly, VA, within 5 km, centered around NL 38-54-51; WL 77-31-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Washington, DC, within 5 km, centered around NL 38-56-26; WL 77-01-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Reston, VA, within 5 km, centered around NL 38-57-18; WL 77-21-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Sterling, VA, within 5 km, centered around NL 39-01-52; WL 77-23-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

Frequency Information

MOBILE: Sharon, PA, within 5 km, centered around NL 41-14-56; WL 80-29-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Rochester, NY, within 5 km, centered around NL 43-15-34; WL 77-39-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Delaplane, VA, within 5 km, centered around NL 38-52-46; WL 77-55-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Arlington, VA, within 5 km, centered around NL 38-55-10; WL 77-07-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

Frequency Information

MOBILE: Riva, MD, within 5 km, centered around NL 38-56-51; WL 76-34-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Baltimore, MD, within 5 km, centered around NL 39-20-09; WL 76-37-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Rosedale, MD, within 5 km, centered around NL 39-21-06; WL 76-28-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Baldwin, MD, within 5 km, centered around NL 39-31-22; WL 76-28-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

Frequency Information

MOBILE: Monkton, MD, within 5 km, centered around NL 39-34-34; WL 76-33-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

MOBILE: Monkton, MD, within 5 km, centered around NL 39-36-13; WL 76-32-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-8 GHz	MO	4G90N0N	0.221 mW (ERP)	

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.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (4) All of the experimental devices will be under control of i4C Innovations Inc. and they will be retrieved by i4C Innovations Inc. from the participants upon completion of the experiment.
- (5) i4C Innovations Inc. will be responsible for ensuring that the devices are used in authorized locations and in a manner authorized.
- (6) Each unit will be labeled with the following legend: "For evaluation only; not FCC-approved for sale, marketing or other distribution to the general public." Operation is subject to the conditions that this product not cause harmful interference to other services and that this product accept harmful interference.
- (7) All authorized power not to exceed ERP 0.221 mW (EiRP=0.3631 mW).
- (8) Under this authorization, the total number of experimental devices shall not exceed 100.