

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WE2XCL

(Call Sign)

0218-EX-RR-2016

(File Number)

NAME ReconRobotics, 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) MINNETONKA (HENNEPIN), MN - NL 44-54-21; WL 93-24-16
- (2) MOBILE: Oceanside (SAN DIEGO), CA, within 20 km, centered around NL 33-13-34; WL 117-19-49
- (3) MOBILE: San Bernardino (SAN BERNARDINO), CA, within 30 km, centered around NL 34-06-16; WL 117-21-32
- (4) MOBILE: South St. Paul (DAKOTA), MN, within 1 km, centered around NL 44-53-23; WL 93-01-32
- (5) MOBILE: Glencoe (MCLEOD), MN, within 1 km, centered around NL 44-43-29; WL 94-07-54
- (6) MOBILE: Alameda County, California, within 50 km, centered around NL 37-48-15; WL 122-16-11
- (7) MOBILE: St. Petersburg, FL, within 40 km, centered around NL 27-46-56; WL 82-40-03
- (8) MOBILE: Miami, Florida, within 50 km, centered around NL 25-46-27; WL 80-11-37
- (9) MOBILE: Bonita Springs, FL, within 40 km, centered around NL 26-20-23; WL 81-46-43
- (10) MOBILE: Lakeland, Florida, within 30 km, centered around NL 28-02-36; WL 81-56-50
- (11) MOBILE: Orlando, Florida, within 50 km, centered around NL 28-32-18; WL 81-22-45
- (12) MOBILE: Gainesville, Florida, within 50 km, centered around NL 29-39-06; WL 82-19-29
- (13) MOBILE: Daytona Beach, FL, within 50 km, centered around NL 29-12-39; WL 81-01-22
- (14) MOBILE: Inverness, FL, within 50 km, centered around NL 28-50-21; WL 82-20-25
- (15) MOBILE: Grand Prairie, TX, within 50 km, centered around NL 32-44-45; WL 96-59-52
- (16) MOBILE: Houston, TX, within 50 km, centered around NL 29-45-48; WL 95-21-48
- (17) MOBILE: El Paso, TX, within 50 km, centered around NL 31-45-31; WL 106-29-13
- (18) MOBILE: Amarillo, TX, within 50 km, centered around NL 35-13-19; WL 101-49-53
- (19) MOBILE: Waco, TX, within 50 km, centered around NL 31-32-57; WL 97-08-48

This authorization effective July 01, 2016 and
will expire 3:00 A.M. EST July 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (20) MOBILE: Georgetown, TX, within 50 km, centered around NL 30-37-58; WL 97-40-38
- (21) MOBILE: Bryan, TX, within 50 km, centered around NL 30-40-28; WL 96-22-12
- (22) MOBILE: San Antonio, TX, within 50 km, centered around NL 29-25-27; WL 98-29-37
- (23) MOBILE: Sacramento, CA, within 50 km, centered around NL 38-34-43; WL 121-19-38
- (24) MOBILE: Gilroy, CA, within 50 km, centered around NL 36-46-50; WL 121-11-23
- (25) MOBILE: Norwalk, CA, within 30 km, centered around NL 33-54-08; WL 118-04-54
- (26) MOBILE: Fresno, CA, within 50 km, centered around NL 36-44-52; WL 119-46-20
- (27) MOBILE: Redding, CA, within 50 km, centered around NL 40-35-11; WL 122-23-30
- (28) MOBILE: Springfield, MO, within 20 km, centered around NL 37-12-55; WL 93-17-54
- (29) MOBILE: Kansas City, MO, within 40 km, centered around NL 39-05-59; WL 94-34-43
- (30) MOBILE: St. Joseph, MO, within 50 km, centered around NL 39-45-28; WL 94-50-11
- (31) MOBILE: Clayton, MO, within 50 km, centered around NL 38-38-33; WL 90-19-25
- (32) MOBILE: La Porte, IN, within 50 km, centered around NL 41-36-32; WL 86-43-03
- (33) MOBILE: Fishers, IN, within 50 km, centered around NL 39-57-20; WL 86-00-50
- (34) MOBILE: Ft. Wayne, IN, within 50 km, centered around NL 41-07-50; WL 85-07-44
- (35) MOBILE: Thibodeaux, LA, within 5 km, centered around NL 29-47-44; WL 90-49-22
- (36) MOBILE: Lafayette, LA, within 50 km, centered around NL 30-13-26; WL 92-01-11
- (37) MOBILE: Belle Chase, LA, within 50 km, centered around NL 29-51-18; WL 89-59-26
- (38) MOBILE: Detroit, MI, within 50 km, centered around NL 42-19-53; WL 83-02-45
- (39) MOBILE: Grand Rapids, MI, within 50 km, centered around NL 42-57-48; WL 85-40-05
- (40) MOBILE: Benton Harbor, MI, within 50 km, centered around NL 42-07-00; WL 86-27-15
- (41) MOBILE: Erie, PA, within 5 km, centered around NL 42-07-45; WL 80-05-06
- (42) MOBILE: Hilltown, PA, within 50 km, centered around NL 40-36-10; WL 75-31-46
- (43) MOBILE: Windbar, PA, within 50 km, centered around NL 40-14-23; WL 78-50-06
- (44) MOBILE: Norfolk, VA, within 30 km, centered around NL 36-50-48; WL 76-17-07
- (45) MOBILE: Alexandria, VA, within 30 km, centered around NL 38-48-17; WL 77-02-49
- (46) MOBILE: Richmond, VA, within 50 km, centered around NL 37-31-59; WL 77-28-01
- (47) MOBILE: Rock Springs, WY, within 50 km, centered around NL 41-35-15; WL 109-12-10
- (48) MOBILE: Casper, WY, within 50 km, centered around NL 42-51-59; WL 106-18-47
- (49) MOBILE: Cheyenne, WY, within 50 km, centered around NL 41-08-24; WL 104-49-13
- (50) MOBILE: Glendale, AZ, within 50 km, centered around NL 33-32-19; WL 112-11-09
- (51) MOBILE: Tucson, AZ, within 50 km, centered around NL 32-13-18; WL 110-55-35
- (52) MOBILE: Salina, KS, within 50 km, centered around NL 38-50-25; WL 97-36-41
- (53) MOBILE: Topeka, KS, within 5 km, centered around NL 39-02-54; WL 95-40-41
- (54) MOBILE: Minneapolis, MN, within 30 km, centered around NL 44-58-48; WL 93-15-50
- (55) MOBILE: Fergus Falls, MN, within 50 km, centered around NL 46-16-59; WL 96-04-39
- (56) MOBILE: Wilson, NC, within 50 km, centered around NL 35-43-16; WL 77-54-56
- (57) MOBILE: Monroe, NC, within 50 km, centered around NL 34-59-07; WL 80-32-58
- (58) MOBILE: Paramus, NJ, within 50 km, centered around NL 40-56-40; WL 74-04-31
- (59) MOBILE: Atlantic City, NJ, within 50 km, centered around NL 39-21-51; WL 74-25-22
- (60) MOBILE: Albuquerque, NM, within 50 km, centered around NL 35-05-04; WL 106-39-04
- (61) MOBILE: Las Vegas, NV, within 20 km, centered around NL 36-06-53; WL 115-10-22
- (62) MOBILE: Berkshire, NY, within 40 km, centered around NL 42-18-14; WL 76-11-07
- (63) MOBILE: Cincinnati, OH, within 20 km, centered around NL 39-08-10; WL 84-30-11
- (64) MOBILE: Strongsville, OH, within 50 km, centered around NL 41-18-52; WL 81-50-08

Station Locations

- (65) MOBILE: Richland, WA, within 30 km, centered around NL 46-17-08; WL 119-17-04
- (66) MOBILE: WOLF CREEK, MT, within 50 km, centered around NL 47-36-37; WL 112-12-02
- (67) MOBILE: Juneau, AK, within 50 km, centered around NL 58-18-07; WL 134-25-11
- (68) MOBILE: Austin, TX, within 50 km, centered around NL 30-16-02; WL 97-44-35
- (69) MOBILE: Jacksonville, AR, within 50 km, centered around NL 34-51-58; WL 92-06-36
- (70) MOBILE: Marietta, GA, within 30 km, centered around NL 33-57-09; WL 84-32-59
- (71) MOBILE: Cedar Rapids, IA, within 50 km, centered around NL 41-57-45; WL 91-41-30
- (72) MOBILE: Alsip, IL, within 50 km, centered around NL 41-40-08; WL 87-44-19
- (73) MOBILE: Baltimore, MD, within 40 km, centered around NL 39-17-25; WL 76-36-44
- (74) MOBILE: Grand Forks, ND, within 50 km, centered around NL 47-55-31; WL 97-01-58
- (75) MOBILE: Reno, NV, within 50 km, centered around NL 39-31-47; WL 119-48-50
- (76) MOBILE: Tulsa, OK, within 50 km, centered around NL 36-09-14; WL 95-59-34
- (77) MOBILE: Memphis, TN, within 50 km, centered around NL 35-08-58; WL 90-02-56
- (78) MOBILE: Price, UT, within 50 km, centered around NL 39-35-58; WL 110-48-38
- (79) MOBILE: Anniston, AL, within 50 km, centered around NL 33-39-35; WL 85-49-54
- (80) MOBILE: Lewiston, ID, within 50 km, centered around NL 46-24-00; WL 117-01-04
- (81) MOBILE: Prince Frederick, MD, within 50 km, centered around NL 38-32-25; WL 76-35-04
- (82) MOBILE: Lima, OH, within 50 km, centered around NL 40-44-33; WL 84-06-19
- (83) MOBILE: Museum campus, within 2 km, centered around NL 41-47-26; WL 87-34-58
- (84) MOBILE: Museum campus, within 0.25 km, centered around NL 39-44-51; WL 104-56-34

Frequency Information

MINNETONKA (HENNEPIN), MN - NL 44-54-21; WL 93-24-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Oceanside (SAN DIEGO), CA, within 20 km, centered around NL 33-13-34; WL 117-19-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: San Bernardino (SAN BERNARDINO), CA, within 30 km, centered around NL 34-06-16; WL 117-21-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: South St. Paul (DAKOTA), MN, within 1 km, centered around NL 44-53-23; WL 93-01-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Glencoe (MCLEOD), MN, within 1 km, centered around NL 44-43-29; WL 94-07-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Alameda County, California, within 50 km, centered around NL 37-48-15; WL 122-16-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: St. Petersburg, FL, within 40 km, centered around NL 27-46-56; WL 82-40-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
430.92-436.92 MHz	FX	250KF3E 5M75C3F	1 W (ERP)	

Frequency Information

MOBILE: St. Petersburg, FL, within 40 km, centered around NL 27-46-56; WL 82-40-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2449-2455 MHz	MO	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	MO	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Miami, Florida, within 50 km, centered around NL 25-46-27; WL 80-11-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Bonita Springs, FL, within 40 km, centered around NL 26-20-23; WL 81-46-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Lakeland, Florida, within 30 km, centered around NL 28-02-36; WL 81-56-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Orlando, Florida, within 50 km, centered around NL 28-32-18; WL 81-22-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Gainesville, Florida, within 50 km, centered around NL 29-39-06; WL 82-19-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Daytona Beach, FL, within 50 km, centered around NL 29-12-39; WL 81-01-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Inverness, FL, within 50 km, centered around NL 28-50-21; WL 82-20-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Grand Prairie, TX, within 50 km, centered around NL 32-44-45; WL 96-59-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Houston, TX, within 50 km, centered around NL 29-45-48; WL 95-21-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: El Paso, TX, within 50 km, centered around NL 31-45-31; WL 106-29-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Amarillo, TX, within 50 km, centered around NL 35-13-19; WL 101-49-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Waco, TX, within 50 km, centered around NL 31-32-57; WL 97-08-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Georgetown, TX, within 50 km, centered around NL 30-37-58; WL 97-40-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Bryan, TX, within 50 km, centered around NL 30-40-28; WL 96-22-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: San Antonio, TX, within 50 km, centered around NL 29-25-27; WL 98-29-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Sacramento, CA, within 50 km, centered around NL 38-34-43; WL 121-19-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Gilroy, CA, within 50 km, centered around NL 36-46-50; WL 121-11-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Norwalk, CA, within 30 km, centered around NL 33-54-08; WL 118-04-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Fresno, CA, within 50 km, centered around NL 36-44-52; WL 119-46-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Redding, CA, within 50 km, centered around NL 40-35-11; WL 122-23-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Springfield, MO, within 20 km, centered around NL 37-12-55; WL 93-17-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Kansas City, MO, within 40 km, centered around NL 39-05-59; WL 94-34-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: St. Joseph, MO, within 50 km, centered around NL 39-45-28; WL 94-50-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Clayton, MO, within 50 km, centered around NL 38-38-33; WL 90-19-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: La Porte, IN, within 50 km, centered around NL 41-36-32; WL 86-43-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Fishers, IN, within 50 km, centered around NL 39-57-20; WL 86-00-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Ft. Wayne, IN, within 50 km, centered around NL 41-07-50; WL 85-07-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Thibodeaux, LA, within 5 km, centered around NL 29-47-44; WL 90-49-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Lafayette, LA, within 50 km, centered around NL 30-13-26; WL 92-01-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Belle Chase, LA, within 50 km, centered around NL 29-51-18; WL 89-59-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Detroit, MI, within 50 km, centered around NL 42-19-53; WL 83-02-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Grand Rapids, MI, within 50 km, centered around NL 42-57-48; WL 85-40-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Benton Harbor, MI, within 50 km, centered around NL 42-07-00; WL 86-27-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Erie, PA, within 5 km, centered around NL 42-07-45; WL 80-05-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Hilltown, PA, within 50 km, centered around NL 40-36-10; WL 75-31-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Windbar, PA, within 50 km, centered around NL 40-14-23; WL 78-50-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Norfolk, VA, within 30 km, centered around NL 36-50-48; WL 76-17-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Alexandria, VA, within 30 km, centered around NL 38-48-17; WL 77-02-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Richmond, VA, within 50 km, centered around NL 37-31-59; WL 77-28-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Rock Springs, WY, within 50 km, centered around NL 41-35-15; WL 109-12-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Casper, WY, within 50 km, centered around NL 42-51-59; WL 106-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Cheyenne, WY, within 50 km, centered around NL 41-08-24; WL 104-49-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Glendale, AZ, within 50 km, centered around NL 33-32-19; WL 112-11-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Tucson, AZ, within 50 km, centered around NL 32-13-18; WL 110-55-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Salina, KS, within 50 km, centered around NL 38-50-25; WL 97-36-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Topeka, KS, within 5 km, centered around NL 39-02-54; WL 95-40-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Minneapolis, MN, within 30 km, centered around NL 44-58-48; WL 93-15-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Fergus Falls, MN, within 50 km, centered around NL 46-16-59; WL 96-04-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Wilson, NC, within 50 km, centered around NL 35-43-16; WL 77-54-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Monroe, NC, within 50 km, centered around NL 34-59-07; WL 80-32-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Paramus, NJ, within 50 km, centered around NL 40-56-40; WL 74-04-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Atlantic City, NJ, within 50 km, centered around NL 39-21-51; WL 74-25-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Albuquerque, NM, within 50 km, centered around NL 35-05-04; WL 106-39-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Las Vegas, NV, within 20 km, centered around NL 36-06-53; WL 115-10-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Berkshire, NY, within 40 km, centered around NL 42-18-14; WL 76-11-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Cincinnati, OH, within 20 km, centered around NL 39-08-10; WL 84-30-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Strongsville, OH, within 50 km, centered around NL 41-18-52; WL 81-50-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Richland, WA, within 30 km, centered around NL 46-17-08; WL 119-17-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: WOLF CREEK, MT, within 50 km, centered around NL 47-36-37; WL 112-12-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Juneau, AK, within 50 km, centered around NL 58-18-07; WL 134-25-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Austin, TX, within 50 km, centered around NL 30-16-02; WL 97-44-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Jacksonville, AR, within 50 km, centered around NL 34-51-58; WL 92-06-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Marietta, GA, within 30 km, centered around NL 33-57-09; WL 84-32-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Cedar Rapids, IA, within 50 km, centered around NL 41-57-45; WL 91-41-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Alsip, IL, within 50 km, centered around NL 41-40-08; WL 87-44-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Baltimore, MD, within 40 km, centered around NL 39-17-25; WL 76-36-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Grand Forks, ND, within 50 km, centered around NL 47-55-31; WL 97-01-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Reno, NV, within 50 km, centered around NL 39-31-47; WL 119-48-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Tulsa, OK, within 50 km, centered around NL 36-09-14; WL 95-59-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Memphis, TN, within 50 km, centered around NL 35-08-58; WL 90-02-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Price, UT, within 50 km, centered around NL 39-35-58; WL 110-48-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Anniston, AL, within 50 km, centered around NL 33-39-35; WL 85-49-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Lewiston, ID, within 50 km, centered around NL 46-24-00; WL 117-01-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Prince Frederick, MD, within 50 km, centered around NL 38-32-25; WL 76-35-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Lima, OH, within 50 km, centered around NL 40-44-33; WL 84-06-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Museum campus, within 2 km, centered around NL 41-47-26; WL 87-34-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Museum campus, within 0.25 km, centered around NL 39-44-51; WL 104-56-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	MO	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Licensee should be aware that the band 430.92-436.92 MHz is allocated for primary government radiolocation operations.
- (6) Operation is subject to prior coordination with Fixed Microwave licensees in the immediate area of the tests.
- (7) All of the experimental devices will be under control of ReconRobotics, Inc. and they will be retrieved by ReconRobotics, Inc. from the participants upon completion of the experiment.
- (8) ReconRobotics, Inc. will be responsible for ensuring that the devices are used in authorized locations and in a manner authorized.