

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
455 12TH STREET, S.W.
WASHINGTON, D.C. 20554

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Report No. 491 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 4/1/17 to 4/30/17:

- **BOEING COMPANY, THE W12XUU 0055-EX-CN-2017**
New experimental to operate on 3.2824, 4.600 and 6.000 MHz to verify electromagnetic emissions.
Mobile: 747 Test Ramp San Antonio, TX
- **BOEING COMPANY, THE W12XUT 0061-EX-CN-2017**
New experimental to operate in 121.150 - 131.300 MHz to verify mutual electromagnetic compatibility of the AMP upgrade with all existing avionics systems on the VC-25 aircraft.
Mobile: San Antonio, TX
- **COUNTY OF ONIEDA W12XTL 0027-EX-CN-2017**
New experimental to operate in 9000.00 - 9200.00 MHz to test ground based radar
Fixed: Rome (Oneida), NY
- **DAVID DAY W12XUF 0068-EX-CN-2017**
New experimental to operate on 465 kHz
For Amateur testing
Fixed: Hendersonville (Henderson), NC
- **DYNETICS, INC. W12XWC 0167-EX-CN-2017**
New experimental to operate on 3 GHz to conduct Radar test and demo
Mobile: Nationwide Temporary Fixed Ground Demonstrations
- **ERICSSON W12XUX 0029-EX-CN-2017**
New experimental to operate on 28 GHz for testing 5G technology
Fixed & Mobile: Cherry Hill (Camden), NJ; King of Prussia (Montgomery), PA; Philadelphia (Philadelphia), PA; Lakehurst (Ocean), NJ

- **ERICSSON WI2XUY 0086-EX-CN-2017**
 New experimental to operate on 5 GHz and 28 GHz for Testing 5G technology
 Mobile: San Jose (Santa Clara), CA
- **GRYPHON SENSORS WI2XQR 0205-EX-CN-2016**
 New experimental to operate in 9300-9800 MHz for radar testing and demonstration of the system in rural and urban environments.
 Mobile: Transportable FX throughout the contiguous United States
- **HARRIS CORPORATION WI2XUI 0146-EX-CN-2017**
 New experimental to operate on 9 GHz to test precision approach radar system.
 Fixed: Van Nuys (Los Angeles), CA
- **HARRIS CORPORATION WI2XUJ 0147-EX-CN-2017**
 New experimental to operate on 9 GHz to test precision approach radar system.
 Fixed: Van Nuys (Los Angeles), CA
- **INTEL CORPORATION WI2XUN 0185-EX-CN-2017**
 New experimental to operate in 26-29 GHz to conduct research and testing.
 Mobile: San Jose, CA
- **L3 COMMUNICATIONS WI2XTP 0106-EX-CN-2017**
 New experimental to operate in 9210.00 - 9810.00 MHz for airborne radar testing
 Mobile: Airborne, River MOA, OK
- **LOCKHEED MARTIN CORPORATION WI2XSE 0134-EX-CN-2016**
 New experimental to operate in 1670.00 - 2375.00 MHz to conduct test for Fury Unmanned Aircraft system.
 Mobile: Yuma, AZ. Within 30 nm of coordinates Max alt 15000 ft;
 Hawthorne, NV. Within 30 nm of coordinates Max alt 15000 ft
- **LOCKHEED MARTIN CORPORATION WI2XSF 0047-EX-CN-2017**
 New experimental to operate on 2.3 GHz to test radio frequencies in that band.
 Mobile: Moorestown, NJ
- **MOTOROLA SOLUTIONS, INC. WI2XUM 0162-EX-CN-2017**
 New experimental to operate on 3.0 GHz to test export equipment
 Fixed & Mobile: Schaumburg, IL; Chicago, IL; Winter, WI
- **NYU TANDON SCHOOL OF ENGINEERING WI2XSY 0015-EX-CN-2017**
 New experimental to operate in 83.50 - 160.00 GHz for Testing 5G propagation in those bands
 Fixed & Mobile: Brooklyn (Kings), NY; New York City, NY; Riner (Montgomery), VA
- **PERFECTO MOBILE WI2XWN 0234-EX-CN-2017**
 New experimental to operate on 1575 MHz for testing radionavigation satellite service (RNSS) equipment and systems using
 Fixed: Chandler (Maricopa), AZ
- **QUALCOMM TECHNOLOGIES, INC. WI2XTO 0142-EX-CN-2017**
 New experimental to operate in 5850.00 - 5925.00 MHz to test and evaluate 802.11P DSRC devices.
 Mobile: Continental US

- **QUALCOMM TECHNOLOGIES, INC. WI2XTR 0145-EX-CN-2017**
 New experimental to operate on 2310.00 MHz for development and demonstration of LTE technologies on mobile devices.
 Mobile: Continental US
- **RAYTHEON INTEGRATED DEFENSE SYSTEMS WI2XUS 0205-EX-CN-2017**
 New experimental to operate in 903.00 - 918.75 MHz to test frequencies for highway tolling activity.
 Fixed: Fort Devens (Worcester), MA
- **SAAB DEFENSE AND SECURITY USA, LLC WI2XUG 0135-EX-CN-2017**
 New experimental to operate in 8.7-9 GHz to develop the GIRAFFE 1X baseline to meet the performance requirements for TRL-8 for the U.S. Army.
 Fixed: Manlius (Onondaga), NY
- **SATCOM DIRECT, INC. WI2XQO 0153-EX-CN-2016**
 New experimental to operate in 1616-1627 MHz, 1626.5-1660.5 MHz, 14-14.5 GHz and 29-30 GHz for testing and development of an aircraft router, WiFi hub and basic airtime services.
 Fixed: Melbourne (Brevard), FL
- **SENSUS SPECTRUM LLC WI2XTJ 0020-EX-CN-2017**
 New experimental to operate on 1575.42 MHz for use of GPS reradiators to test RNSS smart grid devices.
 Fixed: Morrisville (Wake), NC
- **SPACE EXPLORATIONS TECHNOLOGIES WI2XUB 0101-EX-CN-2017**
 New experimental on 2040.5675 MHz and 2090 MHz to provide a command path to a space vehicle.
 Fixed & Mobile: Cape Canaveral (Brevard), FL; Vandenberg AFB (Santa Barbara), CA; San Pedro (Los Angeles), CA
- **SENSUS SPECTRUM LLC WI2XUA 0112-EX-CN-2017**
 New experimental to operate in various bands from 413.925-463.8 MHz and 901-960 MHz for unit level, system level and traffic loading tests on smart grid devices.
 Mobile: Morrisville, NC: Indoor lab testing
- **SKYWERX INDUSTRIES WI2XTF 0114-EX-CN-2017**
 New experimental to operate in 3550-3650 MHz for market trial until grant of authority from a Spectrum Access System ("SAS") and Environmental Sensing Capability ("ESC") to operate the authorized equipment and facilities on a General Authorized Access ("GAA") basis.
 Fixed: Throughout state of CO
- **SPIDERCLOUD WIRELESS, INC WI2XUQ 0194-EX-CN-2017**
 New experimental in 2500-2690 MHz to test multiple vendor portable equipment interoperating with the femto cell base station under development.
 Fixed: San Diego (San Diego), CA
- **STROUD, JOSEPH L. WI2XUL 0188-EX-CN-2017**
 New experimental to operate in 465-478 kHz for experimentation with various antenna configurations.
 Fixed & Mobile: Markle, IN

- **THALES INFLYT EXPERIENCE WI2XUK 0190-EX-CN-2017**
New experimental to operate in 29500.00 - 30000.00 MHz to test a fixed antenna earth station.
Fixed: Irvine, CA
- **WOODS HOLE OCEANOGRAPHIC INSTITUTION WI2XUH 0131-EX-CN-2017**
New experimental to operate on 16.15 MHz for collection of surface current data.
Fixed: Nantucket (Nantucket), MA