

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. 485 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 10/1/16 to 10/31/16:

- **AKELA INC. WI2XNJ 0023-EX-CN-2016**
New experimental to operate on 3 GHz for testing multi-static radar
Fixed: Santa Barbara (Santa Barbara), CA; Newport News, VA; Joint Base McGuire (Burlington), NJ; Dover AFB (Kent), DE; New Boston AFS (Hillsborough), NH; Wright Patterson AFB (Greene), OH; Arnold AFB (Franklin), TN; Scott AFB (St. Clair), IL
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XMP 0549-EX-PL-2016**
New experimental to operate in 24.05 - 24.20 GHz for testing equipment.
Mobile: Temporary Fixed Ground Operations, Merrimack, NH
- **BOLLINGER SHIPYARDS, LOCKPORT, LLC WF2XZM 0496-EX-PL-2016**
New experimental to operate in 1.50 - 27.50, 30.00 - 87.975, 137.10 - 173.9875, 155.00 - 163.275 and 237.90 MHz for testing communication equipment.
Mobile: Within 12 NM of Grand Isle, LA
- **BROCADE WI2XOI 0147-EX-CN-2016**
New experimental to operate in 2110.00 - 2155.00 MHz for testing LTE.
Fixed & Mobile: San Jose, CA
- **DEPLOYMENT TEST WI2XMN 0002-EX-CN-2016**
New experimental to operate in 226.00 - 327.00 and 1435.00 - 1530.00 MHz for testing equipment and frequencies
Mobile: Autauga, AL

- **ELTA NORTH AMERICA WI2XMZ 0532-EX-PL-2016**
 New experimental to operate in 1200-1300 MHz for Radar testing
 Fixed: McAllen (Hidalgo), TX; Marana (Pima), AZ
- **FAIL-SAFE SOLUTIONS, LLC WI2XNG 0046-EX-CN-2016**
 New experimental to operate on 540.00, 830.00, 1680.00 kHz and 92.50, 96.70 and 107.30 MHz for UAS-RFTR training.
 Fixed: Camp Gruber (Muscogee), OK
- **GRYPHON SENSORS WI2XNK 0513-EX-PL-2016**
 New experimental to operate in 9300-9800 MHz in support of the Federal Aviation Administration Pathfinder program to evaluate surveillance technology to detect small airborne targets in an airport environment.
 Fixed: Dallas Ft Worth Airport (Dallas), TX; Rome (Oneida), NY; North Syracuse (Onondaga), NY
- **JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY, THE (JHU/APL) WI2XNU 0115-EX-CN-2016**
 New experimental to operate on 2660.00 MHz to develop and demonstrate network connectivity and data transfer.
 Fixed: Laurel (Howard), MD
- **KAMSTRUP A/S WI2XNN 0051-EX-CN-2016**
 New experimental to operate in 450.00 - 470.00 MHz to test equipment.
 Mobile: Nationwide US
- **KRANZE TECHNOLOGY SOLUTIONS, INC. WI2XOB 0113-EX-CN-2016**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
 Fixed: Prospect Heights (Cook), IL
- **LOCIVA WI2XOO 0124-EX-CN-2016**
 New experimental to operate in 2110.00 - 2155.00 MHz to test and demonstrate 4G LTE devices.
 Fixed & Mobile: Ft Dix, NJ; Ft Benning, GA; Ft Bliss, TX; Ft Gordon, GA; VASS NC SOCOM, NC; Schoefield Barracks, HI; Fayetteville, NC;
- **MIRAGE SYSTEMS, INC WI2XNL 0041-EX-CN-2016**
 New experimental to operate in 800.00 - 960.00 and 1610.00 - 2300.00 MHz to test new applications of airborne synthetic aperture ground penetrating radar.
 Mobile: Mounted to helicopter, at Dugway Proving Ground, UT
- **QUALCOMM TECHNOLOGIES, INC. WI2XMW 0027-EX-CN-2016**
 New experimental to operate on 14 GHz to test antennas.
 Fixed: San Diego (San Diego), CA
- **QUALCOMM TECHNOLOGIES, INC WI2XON 0078-EX-CN-2016**
 New experimental to operate in 1710.00 - 1755.00, 2110.00 - 2155.00, 5150.00 - 5250.00 and 5725.00 - 5850.00 MHz to evaluate the technical performance of pre-commercial LTE-U equipment,
 Fixed & Mobile: Within 1 mile radius of Bellevue (King), WA; Simi Valley (Ventura), CA; Richardson (Dallas), TX; North Las Vegas (Clark), NV

- **QUALCOMM TECHNOLOGIES, INC. WI2XOM 0105-EX-CN-2016**
 New experimental to operate in 10.7-11.7 to test antennas.
 Mobile
- **RAYTHEON MISSILE SYSTEMS WI2XOK 0131-EX-CN-2016**
 New experimental to operate on 451.45, 471.00 and 479.45 MHz To test differential GPS.
 Mobile: Within 100 km of Tucson (Pima), AZ
- **SENSUS SPECTRUM LLC WI2XOL 0114-EX-CN-2016**
 New experimental to operate in 451-461 MHz for development and testing of smart grid devices designed for export markets.
 Mobile: Morrisville, NC, Indoor lab testing
- **SPACE EXPLORATION TECHNOLOGIES CORP. WI2XOG 0096-EX-CN-2016**
 New experimental to operate in 9300-9500 MHz to deploy an ocean surveillance system to verify boats and ships are not at excessive risk from a launch.
 Fixed: Cape Canaveral and Kennedy Space Center (Brevard), FL
- **SPEEDWAVZ LLP WI2XOC 0043-EX-CN-2016**
 New experimental in 3500-3600 MHz to test the feasibility of connecting LTE Access Points to SAS database in the new proposed 3.5 band.
 Fixed: Lima (Allen), OH
- **SRC INC. WI2XOD 0065-EX-CN-2016**
 New experimental to operate in 3.01-3.495 GHz for test and evaluation of an experimental S-Band Radar.
 Fixed & Mobile: Syracuse (Onondaga), NY
- **STANLEY SECURITY SOLUTIONS, INC. WI2XOA 0019-EX-CN-2016**
 New experimental to operate in 902-928 MHz to test, evaluate, and demonstrate a prototype radio communications system designed to support wide-area campus lockdown functionality with a single gateway.
 Fixed & Mobile: Indianapolis, IN
- **SUBARU RESEARCH AND DEVELOPMENT, INC. WI2XOF 0090-EX-CN-2016**
 New experimental to operate in 5850-5925 MHz for technical research and equipment development, field testing and customer demonstration of devices and systems to operate in the Dedicated Short-Range Communications Service.
 Mobile: Around SRD-CA, Cypress, CA
- **TEXTRON AVIATION, INC. WI2XNM 0069-EX-CN-2016**
 New experimental to operate on 1575.42 MHz for testing GPS.
 Fixed: San Antonio (Bexar), TX
- **THALES AVIONICS INC. WI2XNE 0542-EX-PL-2016**
 New experimental to operate in 28.438 - 30.00 GHz for testing satellites.
 Fixed & Mobile: Melbourne (Brevard), FL; Germantown, MD; Charleston, SC
- **TYVAK NANO-SATELLITE SYSTEMS, INC. WI2XKJ 0399-EX-PL-2016**
 New experimental to operate in 399.90 - 400.05 MHz for testing Cubesat.
 Fixed & Mobile: Nongeostationary Low Earth Orbit, and Irvine (Orange), CA