

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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WASHINGTON, D.C. 20554

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## Report No. 440                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 10/1/11 to 11/1/11:

- **WF2XXQ GRANADOS, JUAN A. 0432-EX-PL-2011**  
New experimental to operate in 130-140 kHz and 495-505 kHz for attempting communications between licensed radio amateurs in Miami, Florida and those licensed in other parts of the world.  
Fixed: Miami (Dade), FL
- **WF2XYA COGNITIVE DATA DISPATCH, LLC 0387-EX-PL-2011**  
New experimental to operate spot frequencies in 2-15 MHz range for Communications research.  
Fixed: Aurora (Kane), IL; Washington, DC; East Rutherford (Bergen), NJ
- **WF2XXX LOCKHEED MARTIN CORPORATION 0406-EX-PL-2011**  
New experimental to operate in select frequency bands between 30 MHz and 2297 MHz to test AN/WLD-1(V) remote multi-mission for the US Navy.  
Fixed: West Palm Beach (Palm Beach), FL
- **WF2XZG WINGS LAB, UNIVERSITY OF WISCONSIN-MADISON 0533-EX-PL-2011**  
New experimental to operate in 174-216 MHz, 470-608 MHz and 614-698 MHz for testing of white space devices.  
Fixed: Madison (Dane), WI
- **WF2XWO LILEE SYSTEMS, LTD. 0366-EX-PL-2011**  
New experimental to operate in 217-222 MHz to support Positive Train Control (PTC) mandated by FRA  
Fixed: Lebanon (Wilson), TN
- **WF2XWW LOCKHEED MARTIN CORPORATION 0399-EX-PL-2011**  
New experimental to operate in 420-450 MHz to test low frequency sensor radar.  
Mobile: Syracuse, NY
- **WF2XXX SPECTRUM BRIDGE INC. 0456-EX-PL-2011**  
New experimental to operate in 450 – 698 MHz for white Space experiments.  
Fixed & Mobile: Irving, TX
- **WF2XXW SPECTRUM BRIDGE INC 0460-EX-PL-2011**  
New experimental to operate in 450 – 698 MHz for white Space experiments.  
Fixed & Mobile: Potomac, MD
- **WF2XYB KTS WIRELESS, INC. 0437-EX-PL-2011**  
New experimental to operate in 470 – 608 MHz and 614 – 698 MHz for white space testing.  
Fixed: Clewiston (Hendry), FL

- **WF2XYH RAYTHEON NETWORK CENTRIC SYSTEMS 0471-EX-PL-2011**  
 New experimental to operate in 470 – 608 MHz and 614 – 698 MHz to demonstrate High Speed Data Gateway Radio System for interoperability.  
 Fixed & Mobile: Amboy (San Bernardino), CA; Fullerton (Orange), CA; Palmdale (San Bernardino), CA; China Lake (San Bernardino), CA; Fort Wayne (Allen), IN
- **WF2XYY GOOGLE INC. 0469-EX-PL-2011**  
 New experimental to operate in 512-602 MHz and 620-698 MHz for testing of white space devices.  
 Fixed & Mobile: Mountain View (Santa Clara), CA
- **WF2XQI FLORIDA ATLANTIC UNIVERSITY BOARD OF TRUSTEES 0542-EX-PL-2010**  
 New experimental to operate in 869 – 894 MHz, 925-960 MHz and 1930-1990 MHz to conduct hands-on education for students at the college.  
 Fixed & Mobile: Boca Raton (Palm Beach), FL
- **WF2XXR WESTERN DATACOM CO., INC. 0393-EX-PL-2011**  
 New experimental to operate in 900 – 915 MHz, 945 – 960 MHz 1755 – 1850 MHz, 1972.40 - 1977.40 MHz and 2162.40 - 2167.40 MHz for telecommunication testing  
 Fixed: Ft. Dix and Lakehurst (Burlington), NJ
- **WF2XXP THE BOEING COMPANY 0276-EX-PL-2011**  
 New experimental to operate in 902 – 928 MHz for testing the freeware MM2 series of radios.  
 Fixed & Mobile: Miramar, CA
- **WF2XWX VODAFONE GLOBAL ENTERPRISE INC. 0340-EX-PL-2011**  
 New experimental to operate in 935 – 938 MHz, 2110 – 2126 MHz and 2620 – 2640 MHz to test and demonstrate data and Internet-based mobile services  
 Fixed & Mobile: Redwood City (San Mateo), CA
- **WF2XYC TELEPHONICS CORPORATION 0403-EX-PL-2011**  
 New experimental to operate on 1030 MHz for test and development of air traffic control equipment.  
 Mobile: Farmingdale, NY
- **WF2XVP LOCKHEED MARTIN CORPORATION 0315-EX-PL-2011**  
 New experimental to operate in 1261-1289 MHz to conduct radar testing.  
 Fixed & Mobile: Syracuse (Onondaga), NY
- **WF2XSY SRC, INC. 0171-EX-PL-2011**  
 New experimental to operate on 1390 MHz for testing avian Radar  
 Mobile: Dallas-Fort Worth, TX - DFW Airport
- **WF2XXO THE BOEING COMPANY 0248-EX-PL-2011**  
 New experimental to operate in 1770 – 1840 MHz to conduct satellite component and panel tests.  
 Fixed: El Segundo (Los Angeles), CA
- **WF2XXT OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0312-EX-PL-2011**  
 New experimental to operate in 1805-1850 MHz for modeling communications systems in the band.  
 Fixed & Mobile: Mobile application will be within the confines of the Chilocco campus Chilocco (Kay), OK
- **WF2XWF LOCKHEED MARTIN CORPORATION 0342-EX-PL-2011**  
 New experimental to operate in 2212-2297 MHz To test and demonstrate improved control data.  
 Mobile: Cazenovia (Onondaga), NY
- **WF2XXL SPACE EXPLORATION TECHNOLOGIES CORP. 0394-EX-PL-2011**  
 New experimental to operate To test and operate on 2221.50 MHz and 2273.50 MHz for Research and Development (R&D) of vertical Takeoff, Vertical Landing (VTVL) vehicle.  
 Fixed & Mobile: McGregor (Coryell), TX

- **WF2XXS NORTH AMERICAN EAGLE 0266-EX-PL-2011**  
 New experimental to operate on 2400 MHz and 5800 MHz for testing data collection system  
 Mobile: Dry Lake beds at Black Rock, NV 40° 52? 59? N, 119° 3? 50? W and diamond alley NV. 39° 45? 33? N, 115° 58? 24? W
- **WF2XYZ RAYTHEON NETWORK CENTRIC SYSTEM 0371-EX-PL-2011**  
 New experimental to operate in 3100 – 3500 MHz to demonstrate the SR1500 Short-range Critical Infrastructure Protection Radar  
 Fixed: McKinney (Collin), TX; Las Cruces (Dona Ana), NM
- **WF2XXI RAYTHEON NETWORK CENTRIC SYSTEMS 0372-EX-PL-2011**  
 New experimental to operate in 3100 – 3500 MHz to demonstrate the CIPEX1 Critical Infrastructure Protection Radar.  
 Fixed: Las Cruces (Dona Ana), NM; Buena Park (Orange), CA; McKinney (Collin), TX; Irvine (Orange), CA; Norman (Cleveland), OK
- **WF2XXZ LOCKHEED MARTIN CORPORATION 0433-EX-PL-2011**  
 New experimental to operate in select frequency bands between 4000 MHz and 8000 MHz to perform a calibrated measurement of the radar cross-section.  
 Fixed: Bithlo (Orange), FL
- **WF2XYI AURORA FLIGHT SCIENCES 0408-EX-PL-2011**  
 New experimental to operate in 4400-4800 MHz for testing an Unmanned Aerial System.  
 Mobile: Airborne component within the polygon described by the following coordinates: N38 43.29 W077 30.93, N38 38.83 W077 51.68, N37 54.48 W079 06.62, N37 32.05 W077 49.48, N38 20.43 W077 21.02, from surface to 10,000 ft MSL  
 Warrenton, VA
- **WF2XZD PANOSCAN, INC. 0510-EX-PL-2011**  
 New experimental to operate on 5800 MHz for testing robotics.  
 Mobile: Sylmar, California
- **WF2XXV LOCKHEED MARTIN CORPORATION 0435-EX-PL-2011**  
 New experimental to operate on select frequencies between 8000 MHz and 12000 MHz to perform a calibrated measurement of the radar cross-section.  
 Fixed: Bithlo (Orange), FL
- **WF2VXX RAYTHEON NETWORK CENTRIC SYSTEMS 0304-EX-PL-2011**  
 New experimental to operate in 9300 – 10000 MHz for testing software adapted electronic beam scanning  
 Fixed: Fullerton (Orange), CA
- **WF2XTG THE BOEING COMPANY 0131-EX-PL-2011**  
 New experimental to operate in 14000 – 14500 MHz for testing of mobile ground systems.  
 Mobile: Continental United States, Alaska, Hawaii, U.S Territories
- **WF2XXN RAYSAT ANTENNA SYSTEMS, LLC 0284-EX-PL-2011**  
 New experimental to operate in 14000 – 14500 MHz for antenna testing under a government contract  
 Mobile: Continental United States
- **WF2XYM LOCKHEED MARTIN CORPORATION 0487-EX-PL-2011**  
 New experimental to operate on 16 GHz for testing radar sensors.  
 Fixed: Syracuse (Onondaga), NY
- **WF2XXH SIERRA NEVADA CORPORATION 0375-EX-PL-2011**  
 New experimental to operate on 94 GHz to design, fabricate, and demonstrate the Autonomous Landing Guidance (ALG) system.

Mobile Sparks, (Washoe), NV; Reno (Washoe), NV; Irvine (Orange), CA; Signal Hill (Los Angeles), CA