

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 405 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 7/1/07 to 8/1/07:

- **WE2XEV OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0196-EX-PL-2007**
New experimental to operate in select frequency bands from 4.01-26.19 MHz to provide sensor testing and evaluation services for USSOCOM.
Mobile: Chilocco (Kay), OK
- **WE2XFB ENTEROMEDICS INC. 0135-EX-PL-2007**
New experimental to operate on 6.78 MHz for clinical trial of devices that treat obesity by applying a high-frequency electrical current to the vagus nerve.
Mobile: Minnesota statewide including Mayo Clinic, Unity Hospital and Univ. of Minnesota Hospital
- **WE2XGT DOMINION RESOURCES SERVICES, INC. 0344-EX-PL-2007**
New experimental to operate in various bands between 74.075 MHz and 746 MHz for evaluating communications inside and around a nuclear reactor.
Fixed: Mineral (Louisa), VA; Surry (Surry), VA; Carlton (Kewaunee), WI; Waterford (New London), CT
- **WE2XEA RADIO DESIGN GROUP, INC. 0640-EX-PL-2006**
New experimental to operate in 138-174 MHz and 406.1-420 MHz for design and testing of an alert pager/klaxon system.
Fixed: Grants Pass (Josephine), OR
- **WD2XZI SCIENCE APPLICATIONS INTERNATIONAL CORPORATION 0342-EX-PL-2006**
New experimental to operate on 148.1 MHz, 148.175 MHz, 148.225 MHz, 148.25 MHz, and 148.975 MHz for testing position datalink equipment for export.
Mobile: San Diego, CA
- **WE2XDR MOTOROLA, INC. 0648-EX-PL-2006**
New experimental to operate on select frequencies from 451.4375 MHz to 456.8 MHz for testing voice and data land mobile base stations and subscriber units.
Mobile: Schaumburg (Cook), IL
- **WE2XGJ OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0062-EX-PL-2007**
New experimental to operate on 495.25 MHz and 753.25 MHz to provide sensor testing and evaluation services for USSOCOM.
Mobile: Chilocco (Kay), OK
- **WE2XDK WAL-MART STORES, INC. 0647-EX-PL-2006**
New experimental to operate in 800-806 MHz, 824-851 MHz, 866-960 MHz, 902-928 MHz, 950-956 MHz for RFID testing.
Fixed: Bentonville, AR

- **WE2XBD RADIOFRAME NETWORKS, INC. 0525-EX-PL-2006**
 New experimental to operate in 809-894 MHz, 902-928 MHz, 1850-1880 MHz, 1930-1990 MHz, 2110-2170 MHz and 550-2645 MHz for test and development of wireless technology.
 Mobile: Redmond (King), WA, drive testing will occur within 6 km of facility in a circular pattern
- **WE2XHB NOKIA SIEMENS NETWORKS US LLC 0148-EX-PL-2007**
 New experimental to operate in 824-894 MHz, 1860-1990 MHz 928-960 MHz and 2110-2175 MHz for testing cellular, PCS and AWS devices.
 Mobile: Irving (Dallas), TX
- **WE2XBY LGS INNOVATIONS, LLC. 0536-EX-PL-2006**
 New experimental to operate in 869-894 MHz, 925-960 MHz, 1805-1880 MHz and 1930-1990 MHz for testing GSM cellular communications hardware and software.
 Mobile: Westminster, CO
- **WE2XCI SHORT LINE TECHNOLOGIES, LLC 0610-EX-PL-2006**
 New experimental to operate on select frequencies from 902.25-921.5 MHz for testing railroad automatic equipment identification (AEI) tag readers.
 Mobile: Within states of NY, NJ, PA, ME, NH, VT, MA, CT and RI
- **WE2XCY OPTIMERA INC. 0124-EX-PL-2007**
 New experimental to operate in 902-927 MHz, 2400-2483.5 MHz and 5725-5850 MHz for testing a mesh network using mobile boats.
 Mobile: Dutch Harbor, AK
- **WE2XDF ANDREW CORPORATION 0074-EX-PL-2006**
 Antenna testing at company test range in various bands between 932 MHz and 30 GHz.
 Fixed: Floyd (Hunt), TX
- **WC9XRS MOBILE SATELLITE VENTURES SUBSIDIARY LLC 0681-EX-PL-2006**
 New experimental to operate in 1550.81-1555.19 MHz for test and demonstration of the WiMAX air interface protocol.
 Mobile: Reston (Fairfax), VA
- **WE2XDL MOBILE SATELLITE VENTURES SUBSIDIARY LLC 0594-EX-PL-2006**
 New experimental to operate in 1551.213-1555.187 MHz for test and demonstration of ancillary terrestrial component technology.
 Fixed: Reston (Fairfax), VA
- **WE2XAM BOEING COMPANY, THE 0125-EX-PL-2006**
 New experimental to operate on 1575.42 MHz to perform functional performance checks of embedded GPS receivers under various military contracts.
 Fixed: Seattle (King), WA
- **WE2XDC PACCAR INC 0476-EX-PL-2006**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Denton (Denton), TX; Renton (King), WA; Chillicothe (Ross), OH; Madison (Davidson), TN
- **WE2XET SCIENCE APPLICATIONS INTL CORP 0552-EX-PL-2006**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Marietta (Cobb), GA
- **WE2XFG REX SYSTEMS, INC. 0080-EX-PL-2007**
 New experimental to operate on 1575.42 MHz to perform functional performance checks of embedded GPS receivers under various military contracts.
 Fixed: Chippewa Falls (Chippewa), WI

- **WE2XDM ARRAYCOMM, LLC 0213-EX-PL-2006**
 New experimental to operate in 1710-2200 MHz, 1850-1910 MHz, 1930-1990 MHz, 2110-2170 MHz, 2305-2320 MHz, 2345-2360 MHz and 2500-2690 MHz for antenna testing for 3G equipment.
 Fixed & Mobile: Within San Francisco, San Mateo and Santa Clara Counties, CA
- **WE2XBC CURTISS WRIGHT / VISTA CONTROLS 0121-EX-PL-2006**
 New experimental to operate in 2154-3013 MHz for Ultra-wide band QUPID radar testing.
 Fixed: Littleton and Devens (Middlesex) MA
- **WE2XEX AMERICAN TELECASTING DEVELOPMENT, INC. 0255-EX-PL-2007**
 New experimental to operate in 2686-2690 MHz for propagation testing.
 Mobile: Nationwide US.
- **WE2XFT MOTOROLA, INC. 0684-EX-PL-2006**
 New experimental to operate in 3300-3650 MHz for testing WiMAX equipment for export.
 Mobile: Schaumburg, IL, at two base stations located at temporarily fixed locations and associated mobiles
- **WE2XEM LOGUS BROADBAND WIRELESS SOLUTIONS-USA INC. 0644-EX-PL-2006**
 New experimental to operate in 3400-3600 MHz for testing WiMAX equipment for export.
 Mobile: Tampa (Hillsborough), FL, at temporary fixed locations
- **WE2XES OVERWATCH SYSTEMS 0638-EX-PL-2006**
 New experimental to operate in 3400-4200 MHz, 5850-6650 MHz, 7250-7750 MHz, 7900-8400 MHz, 10700-12750 MHz, 13750-14500 MHz, 17700-21200 MHz, 27500-31000 MHz and 43500-45500 MHz for an antenna test range to determine gain and pattern of satellite equipment.
 Fixed: Campbell (Hunt), TX
- **WE2XGM NETMAXX COMMUNICATIONS, LLC 0087-EX-PL-2007**
 New experimental to operate in 3650-3700 MHz for testing point-to-multipoint high-speed Internet access.
 Fixed & Mobile: Lanett (Chambers), AL
- **WE2XGZ WILINE NETWORKS, INC. 0155-EX-PL-2007**
 New experimental to operate in 3650-3700 MHz for test and development of wireless broadband technologies.
 Fixed: Fremont (Alameda), CA
- **WE2XFX ROCKWELL COLLINS, INC. 0215-EX-PL-2007**
 New experimental to operate in 5725-5875 MHz for test of digital video services.
 Fixed: Cedar Rapids, IA
- **WE2XDD RAYTHEON COMPANY 0590-EX-PL-2006**
 New experimental to operate in 5850-5925 MHz for test and demonstration of Dedicated Short Range Communications systems.
 Fixed & Mobile: Fullerton (Orange), CA
- **WE2XCJ CONNEXIS LLC 0497-EX-PL-2006**
 New experimental to operate in 5850-5925 MHz for testing dedicated short range communications systems.
 Fixed & Mobile: Montvale, NJ; Farmington Hills, MI; Torrance, CA
- **WE2XGL GEORGIA INSTITUTE OF TECHNOLOGY 0090-EX-PL-2007**
 New experimental to operate in 5950-6550 MHz to improve safety in construction operations using ultra-wideband RFID tags.
 Mobile: Atlanta, GA
- **WD2XYI TELEPHONICS CORPORATION 0043-EX-PL-2006**
 New experimental to operate in 9025-9300 MHz and 9500-10050 MHz for test, development, and demonstration of radars.
 Fixed: Farmingdale, NY

- **WD2XZD ILLINOIS, THE BOARD OF TRUSTEES OF THE UNIVERSITY OF 0600-EX-PL-2006**
 New experimental to operate on 9410 MHz for tracking of birds for development of the National Bird Strike Advisory System.
 Mobile: Bondville RADAR range near Bondville, IL.
- **WE2XBX KVH INDUSTRIES 0574-EX-PL-2006**
 New experimental to operate in 10950-12750 MHz to use a transmitter to simulate European satellite TV signals to perform acquire, lock, tracking and signal quality tests.
 Fixed: Middletown (Newport), RI
- **WE2XGU GENERAL DYNAMICS ADVANCED INFORMATION SYSTEMS 0690-EX-PL-2006**
 New experiment to operate in 12000-13000 MHz for antenna testing.
 Fixed: Ypsilanti (Washtenaw), MI
- **WE2XBE VIASAT, INC. 0048-EX-PL-2007**
 New experimental to operate in 14000-14500 MHz for test and demonstration of VSAT's.
 Mobile: Gaithersburg, MD and surrounding area
- **WE2XFE BUSHTEX, INC. 0512-EX-PL-2006**
 New experimental to operate in 14000-14500 MHz to test and demonstration an unmanned aerial vehicle ground control system.
 Mobile: Palmdale, CA, ground-based at temporary fixed (transportable) locations
- **WE2XFR LOCKHEED MARTIN CORPORATION 0011-EX-PL-2007**
 New experimental to operate in 16200-16600 MHz for testing a national border security solution system.
 Fixed: Syracuse (Onondaga), NY
- **WC9XNC SET CORPORATION 0487-EX-PL-2006**
 New experimental to operate on 35.75 GHz for RF transmission testing.
 Mobile: Vienna (Fairfax), VA
- **WC9XRU SET CORPORATION 0569-EX-PL-2006**
 New experimental to operate on 35.75 GHz for RF transmission testing.
 Mobile: Falls Church, VA, at temporary fixed locations
- **WE2XEF THE BOEING COMPANY 0616-EX-PL-2006**
 New experimental to operate on 93.4125 GHz, 93.5 GHz and 93.6 GHz for testing automated monitoring system capable of recording weather data.
 Fixed: Reston (Fairfax), VA