

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 433 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 10/1/10 to 2/1/11:

- **WF2XMG THE BOEING COMPANY 0325-EX-PL-2010**
New experimental to operate in 0.001 kHz - 100 MHz for testing lightning protection design on the 747-8 airframe.
Fixed: Portland (Multnomah), OR
- **WF2XOK THE BOEING COMPANY 0445-EX-PL-2010**
New experimental to operate in 1 – 73 MHz and 75.20 – 100 MHz for testing antennas.
Fixed: Kent (King), WA
- **WE2XRV ALIEN TECHNOLOGY CORPORATION 0544-EX-PL-2010**
New experimental to operate on 13.56 MHz and 433 MHz and in 862 – 870 MHz, 902 – 928 MHz, 2.40 - 2.483 GHz and 5.725 - 5.875 GHz for RFID testing
Fixed: Morgan Hill (Santa Clara), CA
- **WF2XOB INOVA GEOPHYSICAL EQUIPMENT LIMITED 0388-EX-PL-2010**
New experimental to operate in 30.56 – 32 MHz, 33 – 34 MHz, to test and evaluate geophysical seismic data acquisition equipment.
Mobile: Rural Areas of Texas (farm land, desert areas)
- **WF2XPH ITT COMMUNICATIONS SYSTEMS 0487-EX-PL-2010**
New experimental to operate in 30-88 MHz band to verify radio functionality.
Mobile: Columbia City, IN
- **WF2XMU INTERDIGITAL COMMUNICATIONS LLC 0255-EX-PL-2010**
New experimental to operate in 54 – 60, 76 – 88, 174 – 216, 470 -608, 512 – 608 and 614 – 698 MHz for White Spaces testing.
Fixed & Mobile: Melville [Suffolk], NY
- **WF2XMV INTERDIGITAL COMMUNICATIONS LLC 0256-EX-PL-2010**
New experimental to operate in 54 – 60, 76 – 88, 174 – 216, 470 -608, 512 – 608 and 614 – 698 MHz for White Spaces testing.
Mobile: King of Prussia [Montgomery], PA
- **WF2XPN LOCKHEED MARTIN CORPORATION 0518-EX-PL-2010**
New experimental to on 76 MHz and 78 MHz to operate 2-way voice and data VHF/UHF communication testing.
Fixed & Mobile: Orlando [Orange], FL
- **WF2XQD NATIONAL PUBLIC RADIO, INC. 0538-EX-PL-2010**
New experimental to operate on 87.7 MHz for testing an FM modulator
Mobile: Lawrenceville, NJ

- **WF2XPT RLM COMMUNICATIONS, INC. 0526-EX-PL-2010**
 New experimental to operate on 95.90 MHz for research and development support in the areas of Joint Integration and Compatibility Development System (JCIDS) and Special Operations Forces Integration Development System (SOFICIDS)
 Fixed: Spring Lake (Cumberland), NC
- **WF2XPW LM ENGINEERING 0482-EX-PL-2010**
 New experimental to operate in 151.505 - 151.505 MHz and 158.40 - 158.40 MHz to test Dual-Tone Multi-Frequency signaling
 Fixed: Chewelah (Stevens), WA
- **WF2XPK EPIMEDIA, INC. 0488-EX-PL-2010**
 New experimental to operate on 151.505 MHz and 158.4 MHz for testing radio software
 Fixed: Walnut Creek (Contra Costa), CA
- **WF2XOC TIDLAND SIGNAL CORPORATION 0430-EX-PL-2010**
 New experimental to operate in 161.975 - 162.025 MHz to test and demonstrate the Automatic Identification System (AIS) Aid to navigation (ATON) equipment.
 Fixed: Houston (Harris), TX
- **WF2XIO FITNESS FOUNDATION INC 0134-EX-PL-2010**
 New experimental to operate in 174 – 216, 512 – 608, and 614 – 700 MHz for White Space experiments.
 Fixed: Mt. Lebanon (Allegheny), PA
- **WF2XLU BOUNDARY COUNTY COMMUNITY TELEVISION 0229-EX-PL-2010**
 New experimental to operate in 174 – 216, 470 - 608 and 614 – 698 MHz to perform White Space experiments.
 Fixed: Bonners Ferry (Boundary), ID
- **WF2XQZ CARLSON WIRELESS TECHNOLOGIES, INC 0500-EX-PL-2010**
 New experimental to operate in 174 – 216 MHz and 470 – 698 MHz for White space testing for wireless broadband access for rural areas.
 Fixed: Klamath (Del Norte), CA
- **WF2XPA VIRGINIA TECH MPRG 0475-EX-PL-2010**
 New experimental to operate in 174 – 216 MHz, 512 – 608 MHz and 614 – 698 MHz to determine the theoretical performance limits and limitations of the TVBDs.
 Fixed & Mobile: Blacksburg (Montgomery), VA
- **WF2XLH RAYTHEON MISSILE SYSTEMS 0156-EX-PL-2010**
 New experimental to operate in 200 – 18000 MHz for antenna testing
 Fixed: Tucson (Pima), AZ
- **WF2XOV PRO XPLOR SERVICES INC 0381-EX-PL-2010**
 New experimental to operate in 216-220 MHz for conducting seismic geophysical surveys
 Mobile: States of Texas, Louisiana, Arkansas, Oklahoma, Mississippi, Alabama, Kansas, Florida
- **WF2XPZ LILEE SYSTEMS, LTD 0541-EX-PL-2010**
 New experimental to operate in 217-222 MHz to support Positive Train Control (PTC) mandated by FRA
 Fixed: Santa Clara (Santa Clara), CA
- **WF2XNH SENSUS SPECTRUM LLC 0385-EX-PL-2010**
 New experimental to operate in 410 – 430 MHz for testing Smart Grid devices
 Mobile: Goleta, CA
- **WF2XOH GENERAL DYNAMICS C4 SYSTEMS 0429-EX-PL-2010**
 New experimental to operate in 415.1-415.3 and 420.1-420.3 MHz to demonstrate the capabilities of a prospective communications system to Federal, State, and Local Public Safety organizations.
 Fixed: Arlington, VA

- **WF2XLF PANASONIC AVIONICS CORPORATION 0225-EX-PL-2010**
 New experimental to operate in various frequency bands between 421 MHz and 5825 MHz for testing Panasonic Global Communications Suite operation with consumer devices across multiple services.
 Fixed & Mobile: Everett, WA; Victorville, CA; Greensboro, NC; Waco, TX
- **WF2XOA SRC, INC. 0410-EX-PL-2010**
 New experimental to operate in 458.996 - 819.795 MHz for testing a radar system
 Mobile: Syracuse, NY
- **WF2XNZ SRC, INC. 0411-EX-PL-2010**
 New experimental to operate in 458.996 - 819.795 MHz for testing a radar system
 Mobile Ft Drum (JEFFERSON), NY
- **WF2XQL MICROSOFT CORPORATION 0534-EX-PL-2010**
 New experimental to operate in 470 – 608 MHz and 614 – 698 MHz for White space testing
 Fixed: Seattle (King), WA
- **WF2XKC DATASOFT CORPORATION 0179-EX-PL-2010**
 New experimental to operate in 500 – 540 MHz to test the capability of the monsoon transceiver in a TV Whitespace application.
 Fixed: Scottsdale (Maricopa), AZ
- **WF2XKS MOMENT LAB, UNIVERSITY OF CALIFORNIA, SANTA BARBARA 0220-EX-PL-2010**
 New experimental to operate in 512 – 608 MHz and 614 – 698 MHz to conduct research and experimentation regarding use of the television broadcast bands (the white spaces).
 Fixed: Goleta (Santa Barbara), CA
- **WF2XPU RICE UNIVERSITY 0501-EX-PL-2010**
 New experimental to operate in various frequency bands between 518 MHz and 698 MHz to explore planning, deployment, and operational issues involving with TV Band White Space.
 Mobile: Rice University – Houston (Harris), Texas
- **WF2XQO ALCATEL-LUCENT 0193-EX-PL-2010**
 New experimental to operate in 698 – 757, 758 – 763, 776 – 793, 1710 – 1755, 1896.25 - 1908.75 MHz, 1976.25 - 1988.75 and 2110 – 2155 MHz for testing LTE equipment.
 Fixed: Murray Hill (Union), NJ
- **WF2XPE MOTOROLA MOBILITY, INC. 0468-EX-PL-2010**
 New experimental to operate in 806-894, 896-928, 929-932, 940-941, 1850-2200, 2290-2700, 5150-5250, 5725-5825, 27350-28350, 29100-29250 and 31000-31300 MHz to test prototype equipment and systems.
 Mobile: Continental US, AK and HI
- **WF2XPD MOTOROLA, INC. (NETWORKS) 0470-EX-PL-2010**
 New experimental to operate in 806-894, 896-928, 929-932, 940-941, 1850-2200, 2290-2700, 5150-5250, 5725-5825, 27350-28350, 29100-29250 and 31000-31300 MHz to test prototype equipment and systems.
 Mobile: Continental US, AK and HI
- **WF2XOF RAYTHEON NETWORK CENTRIC SYSTEMS 0437-EX-PL-2010**
 New experimental to operate in 894 – 896 MHz for testing airborne cell phones
 Fixed & Mobile: Fort Wayne (Allen), IN
- **WF2XLZ RAYTHEON MISSILE SYSTEMS 0275-EX-PL-2010**
 New experimental to operate in 902 – 928 MHz for testing unmanned aircraft systems (VAS) for reconnaissance and surveillance.
 Fixed & Mobile: Tucson (Pima), AZ; Whetstone (Cochise), AZ
- **WF2XPJ ELSTER AMCO WATER, INC. 0469-EX-PL-2010**
 New experimental to operate in 952-956 MHz for testing data systems.
 Mobile: Continental US, AK and HI

- **WF2XOS LOCKHEED MARTIN CORPORATION 0448-EX-PL-2010**
New experimental to operate in 956-959 MHz for the Edge Communications testing.
Mobile: San Miguel, CA
- **WF2XMH ROCKWELL COLLINS, INC. 0347-EX-PL-2010**
New experimental to operate in 977 – 979 MHz and 1084 – 1084 MHz for prototype transmitting testing.
Mobile: Eastern Iowa Airport, Cedar Rapids, (Linn), Iowa
- **WE2XWG BOEING COMPANY, THE 0431-EX-PL-2008**
New experimental to operate on 1030 MHz and in 1230 – 1272, 1282 – 1302, 1312 – 1335 and 1366 – 1400 MHz for testing MESA radars.
Mobile: Grant County International Airport, at temporarily fixed locations, Moses Lake, WA
- **WE2XWH BOEING COMPANY, THE 0433-EX-PL-2008**
New experimental to operate on 1030 MHz and in 1230 – 1400 MHz for testing MESA radars.
Mobile: Glasgow Industrial Air Park, temporarily fixed locations, Glasgow, MT
- **WE2XWL BOEING COMPANY, THE 0434-EX-PL-2008**
New experimental to operate on 1030 MHz and in 1230 – 1255 MHz for testing MESA radars.
Mobile: Southern California Logistics Airport, at temporarily fixed locations, Victorville, CA
- **WF2XPL SRC, INC. 0485-EX-PL-2010**
New experimental to operate on 1261, 1289 and 1389 MHz to operate one AN/TPQ-50(V)3 radar for the purpose of development and testing of the system.
Mobile: North Syracuse (Onondaga), NY
- **WF2XOW CRASH AVOIDANCE METRICS PARTNERSHIP 0423-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing GPS equipment.
Fixed: Farmington Hills (Oakland), MI
- **WF2XPM WOODS HOLE OCEANOGRAPHIC INSTITUTION 0444-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Falmouth (Barnstable), MA
- **WF2XPX VIASAT, INC. 0533-EX-PL-2010**
New experimental to operate in 1625.50 - 1660.50 MHz for testing Blue Force Tracking-2 (BFT-2) operations.
Mobile: Within the Continental US
- **WF2XOY NORTHROP GRUMMAN SYSTEMS CORPORATION 0395-EX-PL-2010**
New experimental to operate on 1760 and 2305 MHz for fixed/base and airborne mobile testing of a data link.
Fixed & Mobile: airborne at a maximum altitude of 13,716 meters, Mojave (Kern), CA
- **WF2XOL BELAIR NETWORKS 0434-EX-PL-2010**
New experimental to operate in 1930 – 1930 MHz for testing antennas.
Fixed: Chicago (Cook), IL
- **WF2XQN MOTOROLA SOLUTIONS, INC. 0010-EX-PL-2011**
New experimental to operate on select frequencies from 2004.4 - 22374 kHz for Testing maritime radio equipment.
Fixed: Fort Lauderdale (Broward), FL
- **WF2XOR ITT CORPORATION 0447-EX-PL-2010**
New experimental to operate in 2400 - 2483.50 MHz to test and verify radio system operations.
Mobile: Fort Wayne [Allen], IN; Palm Harbor (Pinellas), FL; Butlerville (Jennings), IN; Dulles (Loudoun), VA
- **WF2XPC MOTOROLA, INC. (NETWORKS) 0471-EX-PL-2010**
New experimental to operate in 3300-3650 MHz for testing WiMAX equipment for export.
Mobile: Schaumburg, IL

- **WF2XNM BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0149-EX-PL-2010**
 New experimental to operate in 6336 - 9504 MHz for testing a wireless link between a soldier's night weapon sight and his night vision goggles.
 Mobile: Hudson, NH
- **WF2XPF 4-D SECURITY SOLUTIONS, INC. 0457-EX-PL-2010**
 New experimental to operate in 8750 – 8950 MHz for testing ground surveillance radar.
 Fixed: Hoboken (Hudson), NJ
- **WF2XQB ITT GILFILLAN 0532-EX-PL-2010**
 New experimental to operate in 13250 – 13400 MHz to test ground to air radar subsystem in KU-BAND.
 Fixed: Van Nuys (Los Angeles), CA
- **WF2XPQ COMMTACT, LTD. 0454-EX-PL-2010**
 New experimental to operate in 14000 - 14500 MHz and 27500 – 30000 MHz for demonstration of satellite terminals
 Mobile: Continental US, AK and HI
- **WF2XOP VIASAT, INC. 0451-EX-PL-2010**
 New experimental to operate in 29500 – 30000 MHz for testing of ViaSat's SurfBeam® 2 Consumer Satellite Terminal
 Fixed & Mobile: Carlsbad, CA
- **WF2XOQ VIASAT, INC. 0453-EX-PL-2010**
 New experimental to operate in 29500 – 30000 MHz for testing a mobile satellite communications system developed.
 Fixed & Mobile: Carlsbad, CA; Duluth (Gwinnett), GA
- **WF2XOI MUSTANG TECHNOLOGY GROUP LTD 0435-EX-PL-2010**
 New experimental to operate in 33.50 - 35.50 GHz to test a pulsed Doppler radar.
 Mobile: Allen (Collin), TX
- **WF2XOJ MUSTANG TECHNOLOGY GROUP LTD 0440-EX-PL-2010**
 New experimental to operate in 33.50 - 33.50 GHz to test Pulsed Doppler Radar.
 Mobile: San Diego [San Diego], CA; Galveston, TX