

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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## Report No. 424                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 7/1/09 to 9/1/09:

- **WE2XIZ    BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0508-EX-PL-2006**  
New experimental to operate in select frequency bands between 2 MHz and 150 MHz for Antenna Testing  
Fixed: Merrimack (Hillsborough), NH
- **WE2XYV    TUV SUD AMERICA PRODUCT SERVICE INC    0068-EX-PL-2009**  
New experimental to operate in select frequency bands between 20 and 2689 MHz for RF immunity tests on electronic equipment as required by European Union EMC directive.  
Fixed: Taylors Falls (Chisago), MN
- **WF2XCM    PRODUCT SAFETY ENGINEERING    0233-EX-PL-2009**  
New experimental to operate on various frequencies between 80 and 2689 MHz for product immunity testing.  
Fixed: St. Petersburg (Pinellas), FL
- **WF2XAJ    CESSNA AIRCRAFT COMPANY    0137-EX-PL-2009**  
New experimental to operate on 118.75 MHz and 123.35 MHz for radio testing.  
Mobile: Cessna Pawnee Facilities, Wichita (Sedgewick), KS
- **WF2XBV    COUNTY OF CAPE MAY - OFFICE OF THE COUNTY ENGINEER 0205-EX-PL-2009**  
New experimental to operate in 136 – 174 MHz, 380 – 520 MHz and 762 – 870 MHz for testing software defined radios for public safety on Part 90 frequencies.  
Mobile: Cape May County and Atlantic County, NJ
- **WF2XBT    MICROSOFT CORPORATION    0170-EX-PL-2009**  
New experimental to operate in 174 – 216 MHz, 512 – 608 MHz and 614 – 698 MHz to conduct research and experimentation regarding use of the television broadcast bands (the white spaces).  
Fixed & Mobile    Redmond (King), WA
- **WE2XRJ    BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0227-EX-PL-2007**  
New experimental to operate in 228.80 - 242.80 MHz, 243.30 - 328.60 MHz, 335.40 - 454.00 MHz, 1.215 - 1.270 GHz, 1.370 - 1.435 GHz and 1.525 - 1.559 GHz for demonstration of a prototype IDMA communications system.  
Mobile: Merrimack (Hillsborough), NH
- **WF2XBQ    MICRO SYSTEMS ENGINEERING, INC.    0254-EX-PL-2009**  
New experimental to operate in 401 – 406 MHz to support product development of a low-power medical data telemetry system.  
Mobile: Lake Oswego, OR; Sugar Land, TX

- **WF2XCC MICRO SYSTEMS ENGINEERING, INC. 0256-EX-PL-2009**  
New experimental to operate in 401 – 406 MHz to support product development of a low-power medical data telemetry system.  
Mobile: Yakima, Washington; Detroit, MI; Columbia, SC; Saint Louis, MO; Portland, OR
- **WF2XBD GENERAL DYNAMICS ARMAMENT AND TECHNICAL PRODUCTS, INC. 0192-EX-PL-2009**  
New experimental to operate in 421-467 MHz and 4860-4954 MHz for development of next generation unmanned aerial surveillance technologies.  
Fixed & Mobile: Temporary Fixed Locations in Jericho, VT
- **WF2XBK THE BOEING COMPANY 0228-EX-PL-2009**  
New experimental to operate on select frequencies between 454 MHz and 2140 MHz for EMC testing.  
Fixed: Glasgow, MT and Klamath Falls, OR
- **WE2XYB THE BOEING COMPANY 0030-EX-PL-2009**  
New experimental to operate in 460 – 470 MHz for Testing rotorcraft.  
Mobile: At flight level 15000 Ft, Statewide AZ and Albuquerque, NM
- **WF2XBJ DAYTIME PROGRAMMING TEMPS, INC. 0226-EX-PL-2009**  
New experimental to operate in 512 – 548 MHz for Spectrum Access Testing  
Fixed & Mobile: Wilmington (New Hanover), NC
- **WD2XUM HATFIELD & DAWSON CONSULTING ENGINEERS 0098-EX-PL-2009**  
New experimental to operate on 530, 890 and 1680 kHz under Space and Naval Warfare (SPAWAR) Systems Center contract to modernize and transform psychological operation equipment.  
Fixed: El Centro NAF (Imperial), CA
- **WF2XBL SOLECTEK CORPORATION 0223-EX-PL-2009**  
New experimental to operate in 704 – 710 MHz and 734 – 740 MHz for broadband wireless platform testing  
Fixed & Mobile: San Diego (San Diego), CA
- **WF2XBH THE BOEING COMPANY 0227-EX-PL-2009**  
New experimental to operate in 824 – 849 MHz, 880 – 915 MHz, 1710 – 1755 MHz and 1850 – 1910 MHz for testing a ground cellular system on board commercial aircraft.  
Mobile: Moses Lake, WA
- **WF2XBS STEAPHANY WAELDER DBA KITSUNE 0234-EX-PL-2009**  
New experimental to operate in 900.72 - 929.27 MHz to test home heating systems.  
Mobile: Loving (Young), TX
- **WF2XBU MICRO SYSTEMS ENGINEERING, INC. 0259-EX-PL-2009**  
New experimental to operate in 902 – 928 MHz to support product development of a low-power medical data telemetry system.  
Mobile: Lake Oswego, OR
- **WF2XAY ALASKA AEROSPACE DEVELOPMENT CORPORATION 0138-EX-PL-2009**  
New experimental to operate on 1227 MHz and 1575 MHz to test a GPS reradiator.  
Mobile: Kodiak (Kodiak Island), AK
- **WF2XCL RAYTHEON NETWORK CENTRIC SYSTEMS 0261-EX-PL-2009**  
New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: McKinney and Plano (Collin), TX
- **WF2XCH SOUTHWEST RESEARCH INSTITUTE 0262-EX-PL-2009**  
New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: San Antonio (Bexar), TX

- **WF2XAP AERIAL MACHINE & TOOL CORPORATION 0070-EX-PL-2009**  
New experimental to operate on 1575 MHz for GPS Re-radiator tests.  
Fixed: Vesta (Patrick), VA
- **WF2XAX DS TECHNOLOGIES, LLC 0147-EX-PL-2009**  
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: Hagerstown (Washington), MD
- **WF2XCI RANDY'S ELECTRONICS 0207-EX-PL-2009**  
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: Colorado Springs (El Paso), CO
- **WF2XCB UNION PACIFIC RAILROAD COMPANY 0263-EX-PL-2009**  
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: North Platte (Lincoln), NE
- **WF2XBX RAYTHEON NETWORK CENTRIC SYSTEMS 0252-EX-PL-2009**  
New experimental to operate in 1755 – 1850 MHz for testing for public safety  
Mobile: Tucson (Pima), AZ; Fort Wayne (Allen), IN; Fullerton (Orange), CA; McKinney (Collin), TX; St. Petersburg (Pinellas), FL; Marlborough (Middlesex), MA
- **WE2XWI ROBINSON HELICOPTER COMPANY 0371-EX-PL-2008**  
New experimental to operate in 1990 – 2025 MHz, 2450 - 2483.50 MHz, 6425 – 6525 MHz and 6875 – 7125 MHz for testing different transmitters, power amplifiers combination and antennas.  
Mobile: Continental US, AK and HI
- **WF2XBW DIGITALBRIDGE SPECTRUM CORP. 0250-EX-PL-2009**  
New experimental to operate in 2502-2535 MHz and 2572-2584 MHz to perform a limited market study for a period of 12 months on vacant Educational Broadband Service (EBS) spectrum to test a fully mobile, WiMAX-compliant 802.16e system.  
Fixed: Branson (Taney), MO
- **WF2XCO LOCKHEED MARTIN CORPORATION 0284-EX-PL-2009**  
New experimental to operate in 2900 - 3100 MHz to perform factory acceptance testing of the S-BAND marine radar.  
Fixed & Mobile: Syracuse (Onondaga), NY
- **WF2XBZ THE BOEING COMPANY 0260-EX-PL-2009**  
New experimental to operate in 3700 – 4200 MHz, 10915 – 10955 MHz and 12200 – 12750 MHz for testing operation of production satellite equipment.  
Fixed: El Segundo (Los Angeles), CA
- **WF2XAN TCOM LP 0134-EX-PL-2009**  
New experimental to operate in 9320-9370 MHz to detect weather echo strength and Doppler velocity.  
Mobile: Elizabeth (Pasquotank), NC
- **WF2XBP GLOBAL SUPPLY CHAIN SOLUTIONS, INC. 0247-EX-PL-2009**  
New experimental to operate on 16950 MHz for test and demonstration of capabilities of radar system to federal, state and local agencies.  
Fixed & Mobile: Dulzura, CA and Bay Lake, FL
- **WF2XAD CISCO SYSTEMS 0144-EX-PL-2009**  
New experimental to operate on 2 GHz, 3 GHz and 18 GHz for equipment testing.  
Fixed & Mobile: 16 km around antenna site, Richardson (Collin), TX

- **WF2XBE THE BOEING COMPANY 0208-EX-PL-2009**  
New experimental to operate in 10.71 - 11.70 GHz for testing the operation of satellite equipment.  
Fixed: El Segundo, CA
- **WF2XCA DENSO CORPORATION 0221-EX-PL-2009**  
New experimental to operate in 76-77 GHz for data collection for future product development.  
Mobile: Continental US, AK and HI