

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

455 12TH STREET, S.W.

WASHINGTON, D.C. 20554

News media information 202/418-0500 Fax-On-Demand 202/418-2830

Released: June 18, 2009

Report No. 421 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 3/1/09 to 5/1/09:

- **WD2XBD RAYTHEON COMPANY 0119-EX-PL-2009**
New experimental to transmit on multiple frequencies between 14 kHz and 18000 MHz for evaluation of shielded enclosures using IEEE STD 299-1997.
Fixed: Saint Petersburg and Largo (Pinellas), FL
- **WE2XZF FALCON NANO, INC. 0057-EX-PL-2009**
New experimental to operate in 173.00 - 177.00 kHz, 1770.00 - 1780.00 kHz and 6765.00 - 6795.00 kHz for testing wireless data communication system.
Fixed & Mobile: San Jose, CA; Betty, NV; North Las Vegas, NV
- **WE2XZL VAISALA INC. 0110-EX-PL-2009**
New experimental to operate in 560 – 1600 kHz, 1800 – 1900 kHz for testing and evaluating an electronic remote sensing system for measuring soil moisture.
Mobile: Tombstone, AZ
- **WE2XUI BOEING COMPANY, THE 0299-EX-PL-2008**
New experimental to operate on various frequencies between 2849.60 kHz and 136.975 MHz for testing communication system.
Mobile: Seattle, WA
- **WE2XVV BOEING COMPANY, THE 0429-EX-PL-2008**
New experimental to operate on various frequencies between 0.10 0 and 1104.00 MHz to perform testing on Boeing 737-700 with a mesa radar system installed.
Mobile: Glasgow, MT
- **WE2XWM BOEING COMPANY, THE 0432-EX-PL-2008**
New experimental to operate on various frequencies between 0.10 0 and 1104.00 MHz to perform testing on Boeing 737-700 with a mesa radar system installed.
Mobile: temporarily fixed locations, Victorville, CA
- **WE2XYU THALES COMMUNICATIONS INC 0044-EX-PL-2009**
New experimental to operate in 2 – 30 MHz for test and development of hf technology
Fixed: Clarksburg (Montgomery), MD
- **WE2XSG NORTHROP GRUMMAN SHIP SYSTEMS, INC. 0713-EX-PL-2007**
New experimental to operate on various frequencies from 4.15 MHz to 9.775 GHz for testing equipment associated with the US Coast Guard Deepwater Program contract.
Mobile: Within 240 km of Northrop Grumman Operations, Pascagoula, MS

- **WE2XZP DATRON WORLD COMMUNICATIONS, INC. 0118-EX-PL-2009**
 New experimental to operate on various frequencies between 30.17 MHz and 75.975 MHz to develop and enhance both traditional and software defined radios.
 Mobile: Vista, (San Diego), CA
- **WF2XAE HATFIELD & DAWSON CONSULTING ENGINEERS, LLC 0100-EX-PL-2009**
 New experimental to operate in 54-60 MHz, 66-72 MHz, 192-198 MHz, 476-482 MHz, 566-572 MHz and 764-770 MHz to modernize and transform psychological operation (PSYOP) equipment.
 Fixed: NAS El Centro (Imperial), CA
- **WD2XYJ HATFIELD & DAWSON CONSULTING ENGINEERS, LLC 0096-EX-PL-2009**
 New experimental to operate on 88.3, 89.1, 93.5 and 97.1 MHz under Space and Naval Warfare (SPAWAR) Systems Center contract to develop and test enhancements to FM radio transmitter systems.
 Fixed: NAS El Centro (Imperial), CA
- **WE2XYC THE BOEING COMPANY 0037-EX-PL-2009**
 New experimental to operate in 108 - 137 MHz, 329.00 – 335 MHz, 962 – 1215 MHz, 1530 – 1610 MHz and 5030 – 5090 MHz for testing the effects of personal electronic devices (PEDS) on the aircraft electronic component and system.
 Fixed: Seattle (King), WA; Everett (Snohomish), WA
- **WE2XSZ BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0489-EX-PL-2006**
 New experimental to operate on various frequencies between 153 MHz and 1980 MHz for testing antennas
 Fixed: Litchfield (Hillsboro), NH
- **WE2XYW SEISMIC IMAGING SOLUTIONS COMPANY, LLC 0032-EX-PL-2009**
 New experimental to operate in 216.01 - 216.43 MHz, 216.51 - 219.90 MHz, 217.40 - 217.60 MHz, 218.40 - 218.60 MHz, 219.40 - 219.60 MHz and 220.03 - 221.99 MHz for Geophysical Research
 Mobile: throughout states of TX, OK, PA, MT, CA, UT, KS, CO, WY, ND and SD
- **WE2XVU BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0383-EX-PL-2008**
 New experimental to operate on various frequencies between 253.385 MHz and 440.00 MHz for testing antenna and RF system.
 Fixed: Merrimack (Hillsborough), NH
- **WF2XAI CATERPILLAR, INC. 0077-EX-PL-2008**
 New experimental to operate on 275 MHz, 325 MHz, 335 MHz and 375 MHz for electromagnetic compatibility immunity testing.
 Fixed: Peoria (Peoria), IL; Tucson (Pima), AZ
- **WE2XYP KERN, COUNTY OF 0061-EX-PL-2009**
 New experimental to operate on 401.9485 MHz for testing a remote transmitter in GOES/DCS Satellite data collection system.
 Fixed: Lebec, Keene, McKittrick and Woody (Kern), CA
- **WE2XZC ADVANCED DISTRIBUTED SENSOR SYSTEMS, INC. 0066-EX-PL-2009**
 New experimental to operate on 418 MHz for equipment testing.
 Mobile: within a 5 km radius of Littleton (Jefferson), CO
- **WE2XZH DIJITIZED COMMUNICATIONS INC. 0105-EX-PL-2009**
 New experimental to operate in 432.50 - 432.75 MHz for home automation wireless sensors testing
 Fixed: Wakefield (Carroll), NH
- **WE2XZK QUALCOMM INCORPORATED 0527-EX-PL-2008**
 New experimental to operate in 698 – 710 MHz, 728 – 740 MHz, 746 – 757 MHz and 776 – 787 MHz for developmental testing and demonstration of new R&D technologies.
 Mobile San Diego (San Diego), CA

- **WE2XYF PILGRIM TECHNOLOGY LLC 0041-EX-PL-2009**
 New experimental to operate in 760-780 MHz and 900-975 MHz for testing radio for robotics under a US Army contract.
 Mobile: Contained within a confined space of less than 200 feet, 4604 N Saginaw Road, Suite K, Midland (MIDLAND), MI
- **WE2XWP INCNETWORKS 0405-EX-PL-2008**
 New experimental to operate in various bands from 880 to 1880 MHz for software defined radio testing.
 Fixed & Mobile: Long Branch, NJ
- **WE2XSO THE BOEING COMPANY 0076-EX-PL-2008**
 New experimental to operate on 1030 MHz and 1090 MHz for testing equipment.
 Mobile: Renton Field, Renton WA (Airport Identifier RNT)
- **WE2XXV LOCKHEED MARTIN CORPORATION 0022-EX-PL-2009**
 New experimental to operate on 1030 MHz for radar testing of an EADS IFF model 200I interrogator.
 Mobile: Syracuse, NY
- **WE2XXP ROCKWELL COLLINS 0012-EX-PL-2009**
 New experimental to operate on 1090 MHz to develop the next generation of air traffic management hardware and software.
 Fixed: Melbourne (Brevard), FL
- **WE2XYZ LOCKHEED MARTIN CORPORATION 0073-EX-PL-2009**
 New experimental to operate in 1215 – 1400 MHz to test and upgrade of the TPS-77, FPS-117 AND TPS-59 for future long range surveillance radars.
 Fixed & Mobile: East Syracuse (Onondaga), NY
- **WE2XXK SAIC 0478-EX-PL-2008**
 New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Manassas (Prince William), VA
- **WE2XYT L3 COMMUNICATIONS 0063-EX-PL-2009**
 New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Greenville (Hunt), TX
- **WE2XZB NORTHROP GRUMMAN SYSTEMS CORPORATION 0090-EX-PL-2009**
 New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Edwards AFB (Kern), CA
- **WE2XYQ MARITIME PROFESSIONAL TRAINING 0047-EX-PL-2009**
 New experimental to operate in 1626.50 - 1646.50 MHz for test and demonstration of a marine Inmarsat C unit.
 Fixed: Ft Lauderdale (Broward), FL
- **WE2XZR CALIFORNIA, STATE OF 0104-EX-PL-2009**
 New experimental to operate in 1626 - 1646 MHz for emergency communications using Inmarsat terminal.
 Mobile: Within the State of CA
- **WE2XWD RADIO DESIGN GROUP INC. 0443-EX-PL-2008**
 New experimental to operate in 2000 – 2290 MHz, 2310 – 2320 MHz and 2395 – 2400 MHz to evaluate the effects of multi-path propagation, interference, and intentional jamming on the MVSK waveform in a real-world environment.
 Mobile: Grants Pass (Josephine), OR

- **WE2XZX QUALCOMM INCORPORATED 0040-EX-PL-2009**
 New experimental to operate in 2000 - 2020 MHz for developmental testing and demonstration of CDMA technology.
 Mobile: San Diego, CA
- **WE2XYD RADIO DESIGN GROUP INC. 0033-EX-PL-2009**
 New experimental to operate in 2310 – 2320 MHz and 2345 – 2395 MHz to evaluate the effects of multi-path propagation, interference, and intentional jamming on the MVSX waveform in a real-world environment.
 Mobile: Grants Pass (Josephine), OR
- **WE2XYJ SANTA CLARA UNIVERSITY 0520-EX-PL-2008**
 New experimental to operate in 2401.20 - 2431.20 MHz for test and development of Small Satellite Design.
 Fixed: Morehead (Rowan), KY
- **WE2XYH SANTA CLARA UNIVERSITY 0038-EX-PL-2009**
 New experimental to operate in 2401.20 - 2431.20 MHz to study the effects of microgravity on biological activity, using a NASA satellite.
 Fixed: Santa Clara (Santa Clara), CA
- **WE2XYI SANTA CLARA UNIVERSITY 0043-EX-PL-2009**
 New experimental to operate in 2401.20 - 2431.20 MHz to study the effects of microgravity on biological activity, using a NASA satellite.
 Fixed: Moffett Field (Santa Clara), CA
- **WE2XZN CLEARWIRE SPECTRUM HOLDINGS III, LLC 0050-EX-PL-2009**
 New experimental to operate in 2536.50 - 2546.50 MHz, 2546.50 - 2556.50 MHz and 2556.50 - 2566.50 MHz for testing broadband indoor systems.
 Fixed & Mobile: Austin (Travis), TX
- **WE2XZI DIGITALBRIDGE SPECTRUM CORP. 0085-EX-PL-2009**
 New experimental to operate in 2602 – 2614 MHz and 2624 – 2655 MHz for testing a fully mobile, WiMAX-compliant 802.16e system utilizing 8 vacant BRS channels at five separate sites.
 Fixed: Liberty (Union), Connersville (Fayette), Centerville (Wayne) and Richmond (Wayne), IN
- **WE2XXZ HARRIS STRATEX NETWORKS 0021-EX-PL-2009**
 New experimental to operate in 3400-3600 MHz to develop, test, and demonstrate WiMAX wireless equipment for export markets.
 Fixed & Mobile: San Jose (Santa Clara), CA
- **WE2XYK RAYTHEON INTEGRATED DEFENSE SYSTEMS 0525-EX-PL-2008**
 New experimental to operate in 9380 – 9440 MHz to relocate and install the SPS73 radar assets from Charlottesville VA to the RTIC EWC.
 Fixed: San Diego (San Diego), CA
- **WE2XZG SIERRA NEVADA CORPORATION 0084-EX-PL-2009**
 New experimental to operate on 9900 MHz for Radar Design, Development and Test
 Fixed: Irvine (Orange), CA
- **WE2XYR THE BOEING COMPANY 0067-EX-PL-2009**
 New experimental to operate in 10000 – 10500 MHz for testing NANOSAR radar.
 Fixed: Seattle (King), WA
- **WE2XYX RAYTHEON 0054-EX-PL-2009**
 New experimental to operate in 14470 - 14500 MHz, 15350 - 15700 MHz and 15.70 - 18.00 GHz for Outdoor antenna testing.
 Fixed: McKinney (Collin), TX

- **WE2XYA THE BOEING COMPANY 0035-EX-PL-2009**
New experimental to operate in 16.20 - 17.30 GHz for testing and demonstration of a light weight Ku band Synthetic Aperture Radar system.
Mobile: Baltimore, MD
- **WE2XZA THE BOEING COMPANY 0080-EX-PL-2009**
New experimental to operate in 33 – 36 GHz for testing and demonstrations of a Ka band Synthetic Aperture Radar system.
Mobile: Philadelphia International Airport, Philadelphia, PA
- **WE2XZJ THE BOEING COMPANY 0106-EX-PL-2009**
New experimental to operate in 75 – 86 GHz, 92 – 100 GHz and 102 - 109.50 GHz for testing the signal antennas in millimeter wave band.
Fixed: Huntsville, AL