

# 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

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## Report No. 434                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 2/1/11 to 4/1/11:

- **WF2XQT    MULTI-TECHNCAL SERVICES, INC.    0020-EX-PL-2011**  
New experimental to operate on 1690 kHz to test radio transmitters for use in the Travelers Information Service.  
Fixed: Clayton (Johnson), NC
- **WF2XAM    BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.    0147-EX-PL-2006**  
New experimental to operate in 15 - 29.90 and 2745.275 – 15350 MHz for testing of electronic warfare systems, protection systems, and tactical surveillance and intelligence systems for all branches of the armed forces.  
Fixed & Mobile: Litchfield (Hillsborough), NH; East Rindge (Cheshire), NH
- **WF2XRL    RAYTHEON MISSILE SYSTEMS    0031-EX-PL-2011**  
New experimental to operate on 72.50 MHz for antenna testing  
Fixed: Tucson (Pima), AZ
- **WF2XRP    VIRGINIA TECH ELECTRICAL AND COMPUTER ENGINEERING    0085-EX-PL-2011**  
New experimental to operate in frequency bands between 138 and 3600 MHz for testing the performance of multi-point radio experimental network (CORNET).  
Mobile: Virginia Tech, Blacksburg, VA
- **WF2XRI    THE BOEING COMPANY    0056-EX-PL-2011**  
New experimental to operate on 138.25 MHz, 162.25 MHz, 163.75 MHz, 166 MHz, 166.75 MHz and 172.75 MHz for testing a receiver system.  
Mobile: Seattle, WA
- **WF2XPO    MOTOROLA, INC.    0509-EX-PL-2010**  
New experimental to operate in 151-163 MHz to test various radio technologies.  
Mobile: Olive Hill, KY
- **WF2XNQ    THE BOEING COMPANY    0404-EX-PL-2010**  
New experimental to operate in various frequency bands between 328.60 and 18000.00 MHz for research and development of a receiver antenna array.  
Fixed: Kent (King), WA
- **WF2XSQ    ABBOTT DIABETES CARE    0139-EX-PL-2011**  
New experimental to operate on 433 MHz for equipment testing.  
Mobile: Within 80 km radius of 1360 South Loop Drive Alameda, CA

- **WF2XRT STARK AEROSPACE 0035-EX-PL-2011**  
New experimental to operate in 465 – 510, 4500 – 4800 and 4940 – 4990 MHz for testing un-manned aircraft  
Mobile: Columbus, MS
- **WF2XQJ RAYTHEON NCS 0002-EX-PL-2011**  
New experimental to operate on 600 MHz, 800 MHz, 1200 MHz and 1434 MHz for testing deliverable IFF electronic Scan Antennas  
Fixed: Largo (Pinellas), FL
- **WF2XRO FTC MANAGEMENT GROUP, INC. 0066-EX-PL-2011**  
New experimental to operate in 710 – 716 and 740 – 746 MHz for a Long Term Evolution (LTE) wireless deployment trial.  
Mobile: Sumter, SC
- **WF2XQU MEMPHIS, CITY OF 0015-EX-PL-2011**  
New experimental to operate on 775 MHz and 805 MHz for point to point and point to multipoint testing.  
Mobile: Memphis (Shelby), TN
- **WF2XMI TECORE INC. 0355-EX-PL-2010**  
New experimental to operate in various frequency bands between 824 and 1990 MHz for testing wireless devices.  
Fixed & Mobile: Columbia, MD
- **WF2XOX XG TECHNOLOGY LLC 0449-EX-PL-2010**  
New experimental to operate in 902 - 928 MHz for testing cognitive radios.  
Mobile: 16 km radius of coordinates 25-58-16 N 080-12-31W North Miami (Dade) FL
- **WF2XPG LOCKHEED MARTIN CORPORATION 0484-EX-PL-2010**  
New experimental to operate on 1030 MHz and 1090 MHz to test APX-114 and APS-152 radars.  
Fixed: McKinney (Collin), TX; Greenville (Greenville), SC
- **WF2XQK LOCKHEED MARTIN CORPORATION 0006-EX-PL-2011**  
New experimental to operate in 1250-1390 MHz to test signal generator.  
Fixed: Syracuse (Onondaga), NY
- **WF2XPY THE BOEING COMPANY 0528-EX-PL-2010**  
New experimental to operate in 1480 – 1542 MHz for antenna testing.  
Fixed: El Segundo, CA
- **WF2XOD SPECTRACOM CORPORATION 0405-EX-PL-2010**  
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: Henrietta (Monroe), NY
- **WF2XOG HEWLETT-PACKARD COMPANY 0415-EX-PL-2010**  
New experimental to operate on 1575.42 MHz using GPS re-radiator in support of development of new GPS integrated products.  
Fixed: Corvallis (Benton), OR
- **WF2XQV ICX RADIATION INC. 0540-EX-PL-2010**  
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: Oak Ridge (Anderson), TN
- **WF2XRH THE BOEING COMPANY 0055-EX-PL-2011**  
New experimental to operate on in 1626.50 - 1660.00 MHz to support the C-band tracking transponder used for flight testing on the P-8I aircraft.  
Mobile: 42,000 Feet AGL Flight Level, Seattle, WA

- **WF2XRV QUALCOMM INCORPORATED 0027-EX-PL-2011**  
New experimental to operate in 1915-1920 MHz to test 3G and next-generation mobile technologies.  
Mobile: Cambridge [Middlesex], MA
- **WF2XSK GBL SYSTEMS CORPORATION 0143-EX-PL-2011**  
New experimental in 1915-1920 MHz to develop, test and validate Homeland Security application concepts.  
Fixed: Camarillo. CA
- **WF2XPP WIRELESS SEISMIC, INC 0525-EX-PL-2010**  
New experimental to operate in 2400 - 2483.50 MHz to test a wireless system that will send data from geophones used to record acoustic reflections off underground layers to determine the presence of energy resources.  
Mobile: Within the Continental US, AK & HI
- **WF2XQW FLORIDA INTERNATIONAL UNIVERSITY - UNIVERSITY TECHNOLOGY SERVICES/CIARA 0013-EX-PL-2011**  
New experimental to operate on 2590 MHz for research on GENI WiMax Infrastructure Buildout.  
Fixed: Miami (Dade), FL
- **WF2XRB AKELA INC. 0552-EX-PL-2010**  
New experimental to operate in 2900-3500 MHz for testing surveillance equipment  
Mobile: research and development site - Santa Barbara, CA
- **WF2XPS C SPEED, LLC 0486-EX-PL-2010**  
New experimental to operate on 2905 and 2980 MHz to develop a new air traffic control radar.  
Mobile: Liverpool, NY area and suburb of Syracuse, NY
- **WF2XRN LOCKHEED MARTIN CORPORATION 0073-EX-PL-2011**  
New experimental to operate on 4510 MHz and 4590 MHz for 2-way voice and data VHF/UHF communication testing.  
Mobile: Grande Prairie [Dallas], TX
- **WF2XRF THE BOEING COMPANY 0053-EX-PL-2011**  
New experimental to operate on 5765 MHz to support the C-band tracking transponder used for flight testing on the P-8I aircraft.  
Mobile: 42,000 Feet AGL Flight Level, Seattle, WA
- **WF2XRG THE BOEING COMPANY 0054-EX-PL-2011**  
New experimental to operate on 5765 MHz to support the C-band tracking transponder used for flight testing on the P-8I aircraft.  
Mobile: 42,000 Feet AGL Flight Level, Seattle, WA
- **WF2XRE THE BOEING COMPANY 0052-EX-PL-2011**  
New experimental to operate in 9250 – 9250 MHz for testing an APS-143C system on the P-8I aircraft.  
Mobile: 42,000 Feet AGL Flight Level, Seattle, WA
- **WF2XRJ THE BOEING COMPANY 0060-EX-PL-2011**  
New experimental to operate in 13750 – 14500 MHz for testing the operation of satellite links.  
Mobile: 20,000 feet flight level, Victorville, CA
- **WF2XQF RAYSAT ANTENNA SYSTEMS, LLC 0506-EX-PL-2010**  
New experimental to operate in 14 - 14.50 GHz to test up to five (5) Land Mobile-Satellite Service (“LMSS”) earth stations  
Mobile: Vienna, VA
- **WE2XTQ AMPHITECH SYSTEMS INC. DOING BUSINESS AS ICX RADAR SYSTEMS 0116-EX-PL-2011**  
New experimental to operate in 34.50 - 35.50 GHz for demonstrations of radar.  
Mobile: Within the Continental US, AK & HI

- **WF2XQM THE UNIVERSITY OF TEXAS AT AUSTIN - WNCG 0548-EX-PL-2010**  
New experimental to operate on 38 GHz and 60 GHz for Millimeter Wave Communication testing  
Fixed: Austin (Travis), TX