

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. 460 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 8/1/14 to 8/31/14:

- **ADVANCED NAVIGATION & POSITIONING CORP 0786-EX-PL-2013 WH2XAM**
New experimental to operate on 108.35, 333.95, 1030.00 and 1090.00 MHz for transponder Landing System testing
Fixed: Dallesport, WA
- **AKELA INC. 0472-EX-PL-2014 WH2XHZ**
New experimental to operate on 33 GHz for Radar testing
Mobile: Santa Barbara (Santa Barbara), CA; Nogales (Santa Cruz), AZ
- **APPAREO SYSTEMS, LLC 0372-EX-PL-2014 WH2XII**
New experimental to operate on 1575 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Fargo (Cass), ND
- **APPLIED RESEARCH ASSOCIATES, INC 0286-EX-PL-2014 WH2XEW**
New experimental to operate on 1755 MHz for UAV testing
Fixed & Mobile: Randolph (Orange), VT; Panama City (Bay), FL; Zuni (Accomack), VA; Pecos (Reeves), TX
- **BOEING COMPANY, THE 0695-EX-PL-2013 WG2XXG**
New experimental to operate on 244.35 and 315.85 MHz for testing aircraft communication systems
Mobile: Flightline for Kelly AFB/Boeing, San Antonio, TX
- **BOEING COMPANY, THE 0393-EX-PL-2014 WH2XFQ**
New experimental to operate on spot frequencies between 420.00 and 494.00 MHz to support testing of a custom receiver box
Fixed: Middletown, DE

- **BOEING COMPANY, THE** **0496-EX-PL-2014** **WH2XHV**
 New experimental to operate on 1575.42 MHz for testing GPS
 Fixed: El Segundo (Los Angeles), CA
- **BOEING COMPANY, THE** **0548-EX-PL-2014** **WH2XJD**
 New experimental to operate in 4400.00 - 4940.00 MHz for testing L-3 Southern California microwaves video telemetry system.
 Mobile: Near Boeing Bldg 73-75 adjacent to airstrip, Berkeley, MO
- **CITIGROUP INC.** **0185-EX-PL-2014** **WH2XGL**
 New experimental to operate on 1575.00 GHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: White Plains (Westchester), NY
- **DEPT. OF ECE, UNIVERSITY OF WISCONSIN-MADISON** **0524-EX-PL-2014** **WH2XKG**
 New experimental to operate in 470-608 MHz and 614-698 MHz for research in indoor and outdoor communications.
 Fixed & Mobile: Madison (Dane), WI
- **ELTA NORTH AMERICA** **0585-EX-PL-2014** **WH2XJZ**
 New experimental to operate in bands between 704.00 and 787.00 MHz for testing mobile cellular system
 Mobile: Cusseta (Chattahoochee), GA; Fulton (Howard), MD
- **HAWAII, UNIVERSITY OF** **0330-EX-PL-2014** **WH2XHX**
 New experimental to operate on 145.9805 MHz and 437.2705 MHz for development and demonstration of an experimental cots satellite bus, carrying an experimental hyperspectral imaging system.
 Fixed: Lihue (Kauai), HI
- **JOHNSTON, STEVEN B.** **0504-EX-PL-2014** **WH2XHY**
 New experimental to operate in 472.00 - 479.00 kHz to test and design antennas
 Fixed: Fitchburg (Dane), WI
- **KYMETA CORPORATION** **0525-EX-PL-2014** **WH2XID**
 New experimental to operate on 24 GHz To test antenna technologies
 Fixed: Redmond (King), WA
- **KYMETA CORPORATION** **0526-EX-PL-2014** **WH2XIE**
 New experimental to operate on 31 GHz to test antenna technologies
 Fixed: Redmond (King), WA
- **LOCKHEED MARTIN CORPORATION** **0746-EX-PL-2013** **WG2XYK**
 New experimental to operate on 392.67, 394.39, 1801.00, 1841.00, 2275.00 MHz to support testing of Desert Hawk III UAV system
 Mobile: Philadelphia (Jefferson), NY
- **MARINE EXCHANGE OF ALASKA** **0488-EX-PL-2014** **WH2XHW**
 New experimental to operate on 161.975 and 162.025 MHz to test arctic maritime navigation system.
 Fixed: Juneau (Borough of Juneau), AK; Homer (Kenai Peninsula), AK; Barrow (North Slope), AK; Prudhoe Bay (North Slope), AK; Wales (Northwest Arctic), AK; Anchorage (Anchorage), AK; Dutch Harbor (Aleutians East), AK
- **MICROSOFT CORPORATION** **0547-EX-PL-2014** **WH2XJJ**

New experimental to operate in 174.00 - 216.00, 512.00 - 608.00, 614.00 - 698.00 MHz to conduct research and experimentation regarding use of the television broadcast bands (the white spaces)
Fixed & Mobile: Redmond(King), WA

- **MIRAGE SYSTEMS, INC 0309-EX-PL-2014 WH2XET**
New experimental to operate in 406.00 - 750.00, 800.00 - 960.00 and 1610.00 - 2300.00 MHz to test new applications of airborne synthetic aperture ground penetrating radar.
Mobile: Transmitter is located in Helicopter, Inyokern (Kern), CA
- **NAVMAR APPLIED SCIENCES CORPORATION 0494-EX-PL-2014 WH2XJM**
New experimental to operate on 6.505, 6.513 and 6.521 GHz for UAV testing
Mobile: R6402, R6405, R6406, R6407 Airspace, Tooele County, UT
- **NEW MEXICO, THE UNIVERSITY OF 0171-EX-PL-2013 WG2XOF**
New experimental to operate on 437.425 MHz to test Cubesats
Mobile: Nongeostationary Space Orbit; Albuquerque (Bernalillo), NM
- **NORTHROP GRUMMAN SYSTEMS CORPORATION 0204-EX-PL-2014 WH2XFY**
New experimental to operate in 92.1-94.8 GHz to test experimental sensors for imaging and detection of obstacles for installation on helicopters.
Fixed & Mobile: Linthicum (Anne Arundel), MD; Georgetown (Sussex), DE; Charlottesville (Albemarle), VA; Ft Eustis, VA
- **PERFECTO MOBILE 0413-EX-PL-2014 WH2XIJ**
New experimental to operate on 1575 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Wakefield (Middlesex), MA
- **PUBLIC WIRELESS, INC. 0069-EX-PL-2014 WH2XJW**
New experimental to operate in 758.00 - 768.00 MHz for testing Public Safety equipment
Fixed & Mobile: San Jose (Santa Clara), CA
- **QUALCOMM TECHNOLOGIES, INC 0533-EX-PL-2014 WH2XIM**
New experimental to operate in 3.5-3.6 GHz to test 4G/LTE
Mobile: Raleigh, NC
- **QUALCOMM TECHNOLOGIES, INC 0534-EX-PL-2014 WH2XIN**
New experimental to operate in 3550-3650 MHz to evaluate a downlink LTE system
Mobile: San Diego, CA
- **QUALCOMM TECHNOLOGIES, INC 0535-EX-PL-2014 WH2XIO**
New experimental to operate in 3550-3650 MHz to evaluate a downlink LTE system
Mobile: Mayport, FL
- **RAYTHEON MISSILE SYSTEMS 0574-EX-PL-2014 WH2XJF**
New experimental to operate in 16.30 - 17.80 GHz to test an advanced radar seeker
Fixed: McKinney (Collin), TX
- **RICE UNIVERSITY 0578-EX-PL-2014 WH2XJV**
New experimental to operate in 536.00 - 542.00, 548.00 - 554.00, 560.00 - 566.00 and 572.00 - 578.00 MHz to conduct research and experimentation regarding use of the television broadcast bands (the white spaces)
Fixed & Mobile: Houston (Harris), TX
- **RICE UNIVERSITY 0608-EX-PL-2014 WH2XJU**

New experimental to operate in 536.00 - 542.00, 548.00 - 554.00, 560.00 - 566.00 and 572.00 - 578.00 MHz To conduct research and experimentation regarding use of the television broadcast bands (the white spaces).

Fixed & Mobile: Houston (Harris), TX

- **SIKORSKY AIRCRAFT CORPORATION** **0271-EX-PL-2014** **WH2XIP**
New experimental to operate on various frequencies between 30 MHz and 506 MHz for testing of avionics and communications equipment onboard new aircraft types.
Fixed & Mobile: Helicopter in flight at altitudes up to 5000 ft, Jupiter, FL
- **SPIDERCLOUD WIRELESS, INC** **0552-EX-PL-2014** **WH2XIU**
New experimental to operate in 1805-1855 MHz to test 3G femtocell wireless products
Fixed: San Jose (Santa Clara), CA
- **SRC, INC.** **0196-EX-PL-2014** **WH2XFD**
New experimental to operate on 1386 MHz for the operation of an Avian Surveillance and Warning System Radar.
Fixed: Desert Center (Riverside), CA
- **TCOM, LP** **0559-EX-PL-2014** **WH2XJB**
New experimental to operate in 9.45 - 10.00 GHz to demonstrate a capability of integrating multiple sensor suites on its aerostat platforms
Mobile: Launch Pad at TCOM, LP MFTF, Elizabeth City, NC
- **TRELLISWARE TECHNOLOGIES, INC** **0775-EX-PL-2013** **WG2XZD**
New experimental to operate in 1.80 – 12 MHz to implement and field test the design of an advanced wideband HF waveform
Fixed: Los Angeles (Los Angeles), CA
- **WALT DISNEY WORLD COMPANY** **0402-EX-PL-2014** **WH2XIV**
New experimental to operate on 1575.42 MHz for performing maintenance on GPS enabled products and devices.
Fixed: Lake Buena Vista (Orange), FL
- **ZIEGLER, WARREN H.** **0453-EX-PL-2014** **WH2XIL**
New experimental to operate in 27.00 - 59.00, 68.00 - 89.00, 130.00 - 190.00, 460.00 - 488.00, 491.00 - 517.00 kHz for radio and signal testing
Fixed & Mobile: Wayland (Middlesex), MA; Skowhegan (Somerset), ME