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 (Middlsex), 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