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. 458 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 6/1/14 to 6/30/14:

* **AEROSPACE CORPORATION, THE 0311-EX-PL-2014 WH2XEY**

New experimental to operate on 914.7 MHz for Satellite testing

Fixed & Mobile: El Segundo (Los Angeles), CA; San Luis Obispo (San Luis Obispo), CA; College Station (Brazos), TX; Gainsville (Alachua), FL; Nongeostationary Space Orbit

* **APPAREO SYSTEMS, LLC 0400-EX-PL-2014 WH2XHM** 433-434 MHz

New experimental to operate in 433-434 MHz for testing a Part 15 tag reader system

Fixed: Fargo (Cass), ND; Jackson (Jackson), MN; Heston (Harvey), KS

* **BOOZ ALLEN HAMILTON ENGINEERING SERVICES, LLC 0366-EX-PL-2014 WH2XGV**

New experimental to operate on 700 MHz for testing LTE

Fixed & Mobile: Linthicum (Anne Arundel), MD

* **C SPEED, LLC 0390-EX-PL-2014 WH2XGD**

New experimental to operate in 2900 – 3100 MHz for Radar testing

Fixed: Port Sanilac (Sanilac), MI

* **COMMUTER AIR TECHNOLOGY 0321-EX-PL-2014 WH2XFW**

New experimental to operate in 884.80 - 930.20, 1742.20 - 1744.00 and 1837.20 - 1839.00 MHz for testing equipment for the US military

Fixed: Vian (Muscogee), OK

* **COMMUTER AIR TECHNOLOGY 0322-EX-PL-2014 WH2XFX**

New experimental to operate in 1532.50 - 1554.50 and 1634.00 - 1656.00 MHz for testing equipment for the US military

Fixed: Vian (Sequoyah), OK

* **FLUX RESEARCH GROUP -UNIVERSITY OF UTAH 0408-EX-PL-2014 WH2XFV**

New experimental to operate in 1710.00 - 1770.00 and 2110.00 - 2170.00 MHz to research a programmable end-to-end mobile network testbed

Mobile: Within the Merrill Engineering Building, Salt Lake City, UT

* **FUJITSU NETWORK COMMUNICATIONS 0423-EX-PL-2014 WH2XGM**

New experimental to operate in 71.125 - 85.625 GHz for testing Fujitsu GX4000 E-Band radio system

Fixed: Overland Park (Johnson), KS; Mountain View, CA

* **GOOGLE INC. 0347-EX-PL-2014 WH2XGW**

New experimental to operate in 1745-1755 MHz and 2145-2155 MHz to test communications.

Mobile Carlin, NV: max altitude 65,000 ft.

* **HIGHER GROUND LLC 0443-EX-PL-2014 WH2XHP**

New experimental to operate in 5925-5930 MHz, 5935-5945 MHz, 5955-5965 MHz, 5975-5985 MHz and 5995-6005 MHz to test and develop new prototype user terminals that attach to existing smartphones for the provision of satellite-based text messaging

Mobile: Palo Alto, CA

* **INTELLISAW 0446-EX-PL-2014 WH2XGR**

New experimental to operate on 400 MHz To test a radio system

Mobile: Within the State of MA

* **L-3 COMMUNICATIONS / RANDTRON ANTENNA SYSTEMS 0128-EX-PL-2014 WH2XFO**

New experimental to operate in 50.00 - 73.00, 76.00 - 88.00 and 138.00 - 224.00 MHz to test and evaluate broadband technology

Fixed: Half Moon Bay (San Mateo), CA

* **LOCIVA 0371-EX-PL-2014 WH2XFG**

New experimental to operate on 1500 MHz and 1600 MHz for testing systems for military use

Fixed & Mobile: Aberdeen Proving Grounds (Harford), MD; Ft. Dix (Burlington), NJ

* **LOCKHEED MARTIN CORPORATION 0392-EX-PL-2014 WH2XFM**

New experimental to operate in 3-30 MHz To test antennas

Mobile: Moorestown, NJ

* **MOLITOR, LAWRENCE H. 0430-EX-PL-2014 WH2XGP**

New experimental to operate on 400 kHz to test and design of antenna and transmitter

Fixed: Quincy (Grant), WA

* **NORTHROP GRUMMAN SYSTEMS CORPORATION 0114-EX-PL-2014 WH2XFE**

New experimental to operate 2470-2490 MHz for development and test of equipment capable of transmitting data from airborne sensor systems to ground base stations in support of investigation and development of C4ISR for potential government defense applications

Mobile: Linthicum (Anne Arundel), MD altitude no higher than 18,000 feet MSL

* **NORTHROP GRUMMAN SYSTEMS CORPORATION 0297-EX-PL-2014 WH2XFL**

New experimental to operate on 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16, 16.5 and 17 GHz to demonstrate radio frequency electronic warfare technology

Mobile: Palm Bay, FL - Willow Brook Road Test Area

* **OCEUS NETWORKS 0403-EX-PL-2014 WH2XGG**

New experimental to operate in 1755.00 - 1785.00 and 1805.00 - 1850.00 MHz for equipment testing

Fixed & Mobile: The Colony (Denton), TX

* **OCEUS NETWORKS 0405-EX-PL-2014 WH2XGI**

New experimental to operate in 891.50 - 915.00 and 925.00 - 960.00 MHz for testing cellular equipment for military contract

Fixed & Mobile: The Colony (Denton), TX

* **OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0383-EX-PL-2014 WH2XGA**

New experimental to operate in 1500 MHz and 1600 MHz bands for testing systems for military use

Fixed: Newkirk (Kay), OK

* **RAYTHEON INTEGRATED DEFENCE SYSTEMS 0295-EX-PL-2014 WH2XDN**To New experimental to operate in 905.00 - 925.00 MHz to test a prototype radar system

Fixed: Portsmouth (Newport), RI

* **RAYTHEON INTEGRATED DEFENSE SYSTEM 0395-EX-PL-2014 WH2XFN**

New experimental to operate on10 GHz For research and demonstration of a mobile surveillance radar system

Mobile: McKinney, TX

* **SIKORSKY AIRCRAFT CORPORATION 0470-EX-PL-2013 WG2XTQ**

New experimental to operate on 1030 MHz to operate a WTB developmental license

Fixed: Shelton, CT

* **SOFTRONICS LTD 0212-EX-PL-2014 WH2XGX**

New experimental to operate on 29.701 MHz and 29.8 MHz to test a long-range, line-of-sight animal health and location telemetry tag.

 Mobile: Within the State of Iowa