PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

455 12TH STREET, S.W.

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## Report No. 461 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 9/1/14 to 9/30/14:

* **ADVANCED NAVIGATION & POSITIONING 0460-EX-PL-2014 WH2XIW**

New experimental to operate on 1030 MHz and 1090 MHz for testing a Local Area Multilateration System

Fixed: Taos (Taos), NM

* **AIRSIS, INC. 0517-EX-PL-2014 WH2XJI**

New experimental to operate on 161 MHz for testing an underwater pipeline notification system

Fixed: Fourchon (LaFourche), LA

* **ALTIOSTAR NETWORKS, INC. 0647-EX-PL-2014 WH2XKS**

New experimental to operate on 2.5 GHz for testing 4G microcellular system

Fixed & Mobile: 8km radius from Tewkesbury (Middlesex), MA

* **ALTIOSTAR NETWORKS, INC. 0651-EX-PL-2014 WH2XKU**

New experimental to operate on 2.5 GHz for testing 4G microcellular system

Fixed & Mobile: 4km radius from San Jose (Santa Clara), CA

* **ASTRONICS AEROSAT CORPORATION 0579-EX-PL-2014 WH2XJQ**

New experimental to operate on 14 GHz for equipment testing

Mobile: CONUS and adjacent international waters

* **AT&T SERVICES INC. 0610-EX-PL-2014 WH2XKK**

New experimental to operate in 863.00 - 870.00 MHz for testing devices for use outside of the US

Fixed: Atlanta (Fulton), GA

* **BOEING COMPANY, THE 0010-EX-PL-2014 WG2XZP**

New experimental to operate on 161.975 and 162.025 MHz for testing the capabilities of AIS.

Mobile: Hungtinton Beach (Orange), CA

* **BOEING COMPANY, THE 0612-EX-PL-2014 WH2XJL**

New experimental to operate in 14000 – 14500 MHz for testing of BBSN Boeing Phased Array

Mobile: CONUS, Alaska, Hawaii, U.S. Territories

* **CODAR OCEAN SENSORS LTD. 0564-EX-PL-2014 WH2XKC**

New experimental to operate on 9.3 MHz for testing coastal radar system

Mobile: San Francisco Bay and Monterey Bay area, CA

* **COMMUTER AIR TECHNOLOGY 0251-EX-PL-2014 WH2XEN**

New experimental to operate in 262 – 268 MHz and 388 – 394 MHz for testing for government contract

Mobile: Inside confines of Camp Gruber, Muscogee, OK

* **GENERAL DYNAMICS-OTS, INC. 0614-EX-PL-2014 WH2XKX**

New experimental to operate in 10.7-12 GHz for testing to support the production of radomes.

Mobile: Marion, VA, Temporary Fixed Ground Operations

* **GLOBE WIRELESS RADIO SERVICES 0147-EX-PL-2014 WH2XFC**

New experimental to operate on 19.7594 MHz, 19.7624 MHz, 22.7624 MHz, 22.7634 MHz and 26.1464 MHz to test back-up HF communications

Fixed: Flanders (Suffolk), NY

* **HARRIS CORPORATION 0521-EX-PL-2014 WH2XJE**

New experimental to operate on various HF frequencies between 6060.00 and 22380.50 kHz to conduct testing and military observed on-air demonstrations of a HF wideband waveform.

Fixed: Rochester (Monroe), NY; Fayetteville (Sampson), NC; Colorado Springs (El Paso), CO; Mary Esther (Walton), FL

* **INTERNATIONAL MET SYSTEMS INC 0635-EX-PL-2014 WH2XKJ**

New experimental to operate in 401.96 - 405.04 MHz to test atmospheric sounding system

Mobile: Affixed to an ascending meteorological balloon, Cape Canaveral, FL

* **KYMETA CORPORATION 0617-EX-PL-2014 WH2XJY**

New experimental to operate in 28050.00 - 28128.00 MHz and 28172.00 - 28250.00 MHz to test a microwave antenna technology

Fixed: Bristow (Prince William), VA; Redmond (King), WA

* **LOCIVA 0629-EX-PL-2014 WH2XKB**

New experimental to operate in 1710.00 - 1755.00, 1805.00 - 1880.00, 1920.00 - 1980.00 and 2110.00 - 2170.00 MHz to test and demonstrate 4G LTE devices

Mobile: Luke AFB, AZ

* **LOCKHEED MARTIN CORPORATION 0365-EX-PL-2014 WH2XFI**

New experimental to operate in 1215.00 - 1400.00 MHz to test and upgrade of the TPS-77, FPS-117 AND TPS-59 for future long range surveillance radars.

Fixed & Mobile: Syracuse, NY

* **LOCKHEED MARTIN CORPORATION 0468-EX-PL-2014 WH2XHB**

New experimental to operate on 1227.60 and 1572.42 MHz for testing radionavigation satellite service (RNSS) equipment.

Fixed: Palmdale (Los Angeles), CA

* **LOCKHEED MARTIN CORPORATION 0469-EX-PL-2014 WH2XHC**

New experimental to operate on 1227.60 and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.

Fixed: Palmdale (Los Angeles), CA

* **LOCKHEED MARTIN CORPORATION 0473-EX-PL-2014 WH2XHE**

New experimental to operate on 1227.60 and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.

Fixed: Palmdale (Los Angeles), CA

* **LOCKHEED MARTIN CORPORATION 0474-EX-PL-2014 WH2XHF**

New experimental to operate on 1227.60 and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.

Fixed: Palmdale (Los Angeles), CA

* **LOCKHEED MARTIN CORPORATION 0480-EX-PL-2014 WH2XHL**

New experimental to operate on 1227.60 and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.

Fixed: Palmdale (Los Angeles), CA

* **MATT NELSON LSUASC 0581-EX-PL-2014 WH2XJR**

New experimental to operate in 902 - 928 MHz for UAV testing

Fixed & Mobile: Kenedy Ranch (Kenedy), TX

* **MIT LINCOLN LABORATORY 0072-EX-PL-2014 WH2XBP**

New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems

Fixed: Lexington (Middlesex), MA

* **MONTANA STATE UNIVERSITY 0384-EX-PL-2014 WH2XGS**

New experimental to operate on 437.23 and 437.405 MHz to test Cubesat operations.

Mobile: Nongeostationary Space Orbit

* **PANERATECH, INC. 0266-EX-PL-2014 WH2XFF**

New experimental to operate in 750.00 - 5000.00 MHz for testing for Part 15 compliance.

Fixed & Mobile: Toledo (Lucas), OH; Shreveport (Caddo), LA; Brockport (Elk), PA; Modesto (Stanislaus), CA

* **QUALCOMM TECHNOLOGIES, INC 0628-EX-PL-2014 WH2XKA**

New experimental to operate on 28 GHz and 38 GHz To test point to point and non-line of site

Fixed & Mobile: San Diego (San Diego), CA

* **RAYTHEON INTEGRATED DEFENSE SYSTEMS 0391-EX-PL-2014 WH2XFT**

New experimental to operate on 9000 MHz To test a prototype radar

Fixed: McKinney and Garland, TX

* **ROCKWELL COLLINS, INC. 0497-EX-PL-2014 WH2XIC**

New experimental to operate in 2398.00 - 29720.00 kHz to test and demonstrate wideband HF technologies.

Mobile: Within U.S. airspace

* **SONOMA TECHNOLOGY, INC. 0562-EX-PL-2014 WH2XKH**

New experimental to operate on 915 MHz for a wind profiling radar system to be used to provide upper-air meteorological data.

Fixed: Bakersfield (Kern), CA

* **TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.0537-EX-PL-2014 WH2XIZ**

New experimental to operate in 81.38 - 90.00 kHz and 2400.00 - 2483.00 MHz for testing wireless charging for electric vehicles.

Fixed: Ann Arbor (Washtenaw), MI; Argonne (DuPage), IL

* **UNIVERSITY OF TEXAS AT AUSTIN, THE 0301-EX-PL-2014 WH2XEI**

New experimental to operate on 437.525 MHz for testing Cubesat.

Mobile: Nongeostationary, Space Orbit

* **VISTA RESEARCH, INC 0620-EX-PL-2014 WH2XKI**

New experimental to operate in 9220.00 - 9480.00 MHz for testing radars

Fixed: Flagler Beach (Flagler), FL; San Pedro (Los Angeles), CA