PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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News media information 202/418-0500 Fax-On-Demand 202/418-2830

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## Report No. 457 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 5/1/14 to 5/31/14:

* **ACCIPITER RADAR CORPORATION 0207-EX-PL-2014 WH2XDS**

New experimental to operate on 9.4 GHz to study bird collisions with windmills

Mobile: Northern Montana

* **ACCIPITER RADAR CORPORATION 0244-EX-PL-2014 WH2XEH**

New experimental to operate on 9.4 GHz to study Eagle collision avoidance with wind turbines.

Fixed: St. Clair Shores (Macomb), MI

* **ADVANCED LANCASTER, LP 0057-EX-PL-2014 WH2XCB**

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

Fixed: Lititz (Lancaster), PA

* **ALTIOSTAR NETWORKS, INC 0260-EX-PL-2014 WH2XGK**

New experimental to test LTE eNodeB systems

Fixed & Mobile: Tewksbury (Middlesex), MA

* **APPLEWHITE AERO 0034-EX-PL-2014 WH2XAF**

New experimental to operate in 902 MHz and 2.4 GHz bands for UAV testing

Mobile: R-6701 NAS Whidbey Island, Lake Hancock, WA

* **ARTEMIS NETWORKS LLC 0328-EX-PL-2014 WH2XFK**

New experimental to operate in 2000 - 2200 MHz for equipment testing

Fixed & Mobile: Counties of Santa Clara, San Mateo, San Francisco, CA

* **AVL TECHNOLOGIES 0011-EX-PL-2014 WH2XBN**

New experimental to operate in 1500 – 2310, 2355 – 2500, 3400 – 6725, 7250 – 8400, 10700 – 15000, 17300 – 21200 and 27500 – 31000 MHz to use an antenna test range for satellite antennas

Fixed: Asheville (Buncombe), NC

* **BOARD OF TRUSTEES, UNIVERSITY OF FLORIDA 0762-EX-PL-2013 WG2XZB**

New experimental to operate in 1 – 10 MHzResearch to perform electromagnetic observations of long distance effects of lightning.

Fixed: Melrose (Putnam), FL

* **BOEING COMPANY, THE 0318-EX-PL-2014 WH2XEC**

New experimental to operate on spot frequencies between 88 MHz and 107 MHz to support testing of a custom receiver box

Fixed: Middletown, DE

* **BOEING COMPANY, THE 0354-EX-PL-2014 WH2XEZ**

New experimental to operate on spot frequencies between 149.80 and 198.00 MHz for testing of a customer receiver box

Fixed: Middletown, DE

* **CANOPUS SYSTEMS - U.S. 0032-EX-PL-2014 WH2XCA**

New experimental to operate on 400 MHz for Cubesat testing

Mobile: LEO SAT orbit, 610 km altitude, 97.8 deg incl.

* **CESSNA AIRCRAFT COMPANY 0136-EX-PL-2014 WH2XCK**

New experimental to operate on 4.5 GHz for testing video system

Mobile: Within 150 kilometers of Wichita KS

* **COMMUTER AIR TECHNOLOGY 0231-EX-PL-2014 WH2XFS**

New experimental to operate in 800 MHz, 900 MHz and 1.8 GHz bands for equipment testing for military contract

Mobile: Inside confines of Camp Gruber, Muscoge, OK

* **COMMUTER AIR TECHNOLOGY 0250-EX-PL-2014 WH2XEL**

New experimental to operate on 1.5 GHz and 1.6 GHz for equipment testing for a military contract

Mobile: Inside confines of Camp Gruber, Camp Gruber, OK

* **DYNETICS, INC. 0182-EX-PL-2014 WH2XCQ**

New experimental to operate on 3 GHz to perform Radar testing and demonstration

Mobile: Nationwide Temporary Fixed Ground Demonstrations, throughout US

* **ENGILITY CORPORATION IN SUPPORT OF NIJ COMMUNICATIONS CENTER OF EXCELLENCE 0320-EX-PL-2014 WH2XEB**

New experimental to operate in 151.61875 - 151.96125, 462.5625 - 467.7125, 769.050 - 799.075 and 2412.00 - 2484.00, 4940.00 - 4990.00, 5150.00 - 5725.00 MHz to test and design of cognitive radio and smart antennas

Mobile: District of Columbia, DC. Interior to the building in a labratory work area

* **INTELLITECH INDUSTRIES LLC, DBA LOOKOUT PORTABLE SECURITY, INC.**

**0279-EX-PL-2014 WH2XEX**

New experimental to operate in 151 - 159 MHz and 451 - 467 MHz for equipment testing

Fixed: Kennesaw, GA

* **KYMETA CORPORATION 0278-EX-PL-2014 WH2XEU**

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

Fixed: Redmond (King), WA

* **LIGHTSQUARED SUBSIDIARY LLC, DEBTOR-IN-POSSESSION 0228-EX-PL-2014 WH2XDX**

New experimental to operate in 1626.5-1660 MHz for Access Terminal testing

Mobile: Nationwide, US

* **LOCKHEED MARTIN CORPORATION 0083-EX-PL-2014 WH2XCH**

New experimental to operate on 900 MHz and 2400 MHz To test a small Unmanned Ground Vehicle (UGV)

Mobile: Grand Prairie, TX

* **NORTHWESTERN CORPORATION 0275-EX-PL-2014 WH2XFH**

New experimental to operate in 174-216 MHz for testing smart grid application in white space spectrum

Fixed & Mobile: Old Faithful Subst. (Teton), WY

* **OCEUS NETWORKS 0399-EX-PL-2014 WH2XGE**

New experimental to operate on 400 MHz for testing equipment for military contract

Fixed & Mobile: The Colony (Denton), TX

* **OCEUS NETWORKS 0401-EX-PL-2014 WH2XGF**

New experimental to operate on 800 MHz for testing equipment for military contract

Fixed & Mobile: The Colony (Denton), TX

* **OCEUS NETWORKS 0404-EX-PL-2014 WH2XGH**

New experimental to operate on 2 GHz for testing equipment for military contract

Fixed & Mobile: The Colony (Denton), TX

* **OCEUS NETWORKS 0406-EX-PL-2014 WH2XGJ**

New experimental to operate in 824 – 894, 1710 – 1755, 1850 – 1990 and 2110 – 2155 MHz for testing equipment for military contract

Fixed & Mobile: The Colony (Denton), TX

* **ORBITAL SCIENCES CORPORATION 0357-EX-PL-2013 WH2XFB**

New experimental to operate on 1575 MHz to test a GPS rerad device

Fixed: Huntsville, AL

* **PENTASTAR AVIATION LLC 0374-EX-PL-2014 WH2XGC**

New experimental to operate on 2.4 GHz and 5 GHz for testing T-ped devices on aircraft

Fixed: Waterford (Oakland), MI

* **QUALCOMM TECHNOLOGIES, INC 0294-EX-PL-2014 WH2XDM**

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

Fixed: Bridgewater (Somerset), NJ

* **RAYTHEON IIS 0317-EX-PL-2014 WH2XEA**

New experimental to operate in 4500-4700 MHz to test antenna and radio links

Mobile: Columbia Falls, MT

* **RAYTHEON INTEGRATED DEFENSE SYSTEM 0385-EX-PL-2014 WH2XFJ**

New experimental to operate on 4900 MHz for testing a mobile surveillance system

Mobile: New Mexico State University (Eddy), NM

* **SAINT LOUIS UNIVERSITY 0279-EX-PL-2013 WG2XVP**

New experimental to operate on 437.29 MHz to test a CubeSat to improve the modeling of the effects of space radiation on electronics

Mobile: low-earth orbit 410x500km, 91 deg

* **TERMA A/S 0262-EX-PL-2014 WH2XDV**

New experimental to operate in 17.10 - 17.30 GHz for testing scanter 1002 Radar

Fixed: Owego (Tioga), NY

* **AEROSPACE COPORATION, THE 0248-EX-PL-2014 WH2XED**

New experimental to operate on 9.3 GHz for aircraft detection in the vicinity

Fixed: Los Angeles (Los Angeles), CA

* **TRUENORTH AVIONICS LLC 0339-EX-PL-2014 WH2XEF**

New experimental to operate in 460 – 470 MHz, 921 – 960, 1710 – 1785, 1805 – 1880, 2110 – 2170 and 2500 – 2690 MHz for testing of an airborne GSM Picocell

Fixed: Annandale (Hunterdon), NJ

* **USU RESEARCH FOUNDATION 0312-EX-PL-2014 WH2XDZ**

New experimental to operate on 14 GHz and 15 GHz to test UAS

Mobile: Logan, UT

* **WARD, ALBERT J., III 0149-EX-PL-2014 WH2XES**

New experimental to operate in 465-478 kHz to engage in antenna, transmitter and receiver design and testing.

Fixed: Allen (Collin), TX