PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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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