

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. 462 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 10/1/14 to 10/31/14:

- **AAR MOBILITY SYSTEMS 0502-EX-PL-2014 WH2XIF**
New experimental to operate in 9.90 - 10.10, 149.00 - 151.00, kHz, 14.90 - 15.10, 399.90 - 406.00, 979.00 - 1029.00, MHz and 9.50 -11.70 GHz for testing shielding effectiveness of EMI shelters
Mobile: Goldsboro (Wayne), NC
- **ARCTURUS UAV 0668-EX-PL-2014 WH2XLB**
New experimental to operate on 2 GHz and 4 GHz for UAV testing
Mobile: FAA Test Range Pendleton, OR
- **ARTEMIS NETWORKS LLC 0745-EX-PL-2014 WH2XMM**
New experimental to operate on 2.5 GHz for equipment testing
Fixed & Mobile: San Francisco (San Francisco), CA
- **ARTEMIS NETWORKS LLC 0720-EX-PL-2014 WH2XMI**
New experimental to operate on 1.9 GHz for testing technology
Fixed & Mobile: Palo Alto (Santa Clara), CA
- **BOEING COMPANY, THE 0464-EX-PL-2014 WH2XKN**
New experimental to operate on 1036.00, 1042.00, 1053.00, 1055.00, 1058.00, 1061.00, 1063.00, 1065.00, 1067.00, 1099.00, 1132.00 and 1134.00 MHz to support F-15SA Saudi Arabia Flight evaluation of Air-to-Air TACAN equipment.
Mobile: Palmdale, CA
- **BOEING COMPANY, THE 0675-EX-PL-2014 WH2XLF**
New experimental to operate on 16.50 GHz for testing Navigational POD (NAVPOD)
Fixed & Mobile: St. Louis (St. Louis), MO; Farmington (St. Francois), MO

- **BOEING COMPANY, THE 0733-EX-PL-2014 WH2XMB**
 New experimental to operate on frequencies between 805.00 MHz and 869.03 MHz to support testing of a custom receiver.
 Fixed: Middletown, DE
- **BOEING COMPANY, THE 0751-EX-PL-2014 WH2XMH**
 New experimental to operate in 14.60 - 15.10 GHz for testing direct network waveform system.
 Mobile: Boeing Facility, Kent, WA
- **CBF NETWORKS 0681-EX-PL-2014 WH2XLH**
 New experimental to operate on 5 GHz for equipment testing
 Fixed & Mobile: San Francisco (San Francisco), CA
- **CISCO SYSTEMS 0649-EX-PL-2014 WH2XKV**
 New experimental to operate on 700 MHz for equipment testing
 Mobile: San Jose, CA Cisco Campus
- **CLEVER DEVICES 0563-EX-PL-2014 WH2XJP**
 New experimental to operate in 450.00 - 460.00 MHz, 806.00 - 824.00 MHz and 851.00 - 869.00 MHz for testing a vehicle dispatch and location system.
 Fixed & Mobile: Woodbury (Nassau), NY; Morrisville (Wake), NC
- **COMMUTER AIR TECHNOLOGY 0288-EX-PL-2014 WH2XEM**
 New experimental to operate on 5 GHz for testing equipment for a military contract
 Mobile Inside confines of Camp Gruber (Muscogee), OK
- **CONTINENTAL AUTOMOTIVE SYSTEMS, INC. 0723-EX-PL-2014 WH2XMJ**
 New experimental to operate in 5.850-5.925 GHz for testing Dedicated Short-Range Communications Service
 Mobile: Nationwide United States
- **CROWN EQUIPMENT CORPORATION 0705-EX-PL-2014 WH2XLU**
 New experimental to operate in 865-868 MHz for testing RFID tags for European use
 Fixed: Celina (Mercer), OH; New Bremen (Auglaize), OH
- **FLIR DETECTION, INC 0561-EX-PL-2014 WH2XJC**
 New experimental to operate in 1563.42 - 1587.42 MHz for testing stand-alone GPS receivers
 Fixed: Oak Ridge (Anderson), TN
- **FRANK J. LOTITO 0470-EX-PL-2014 WH2XHA**
 New experimental to operate in 460.00 - 480.00 kHz and 495.00 - 510.00 kHz to study of radio propagation.
 Fixed: Pittsburgh (Alleghaney), PA
- **HEVO INC 0127-EX-PL-2014 WH2XJH**
 New experimental to operate in 81-90 kHz MHz to test a wireless car charging system
 Fixed: Sanford (Seminole), FL
- **Insitu 0421-EX-PL-2014 WH2XFZ**
 New experimental to operate in 1525.00 - 1535.00 MHz, 2412.00 - 2462.00 MHz and 5250.00 - 5825.00 MHz for simulation and detecting mobile satellite service protocols for UAS.
 Fixed & Mobile: Bingen (Klickitat), WA; Boardman (Morrow), OR;

- **JEPPESEN 0134-EX-PL-2014 WH2XDA**
 New experimental to operate in 1626.50 - 1660.50 MHz to test communication link for both fixed and mobile using Inmarsat network.
 Mobile: Englewood, CO
- **L-3 COMMUNICATION, COLEMAN AEROSPACE 0582-EX-PL-2014 WH2XKE**
 New experimental to operate in 2214.50 - 2276.50 MHz for telemetry links a sensor testing
 Mobile: Orlando FL
- **L3 COMMUNICATIONS 0570-EX-PL-2014 WH2XKR**
 New experimental to operate on spot frequencies between 877.90 and 956.70 MHz to test and calibrate the near vertical direction finder.
 Fixed: Greenville (Hunt), TX; Aberdeen Proving Ground (Harford), MD
- **LOCKER, LLC 0643-EX-PL-2014 WH2XKZ**
 New experimental to operate on 35.75 GHz for counter-bomber radar testing
 Mobile Torrance (Los Angeles), California; Garner (Wake), N.C.
- **LOCKHEED MARTIN CORPORATION 0475-EX-PL-2014 WH2XHG**
 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 0476-EX-PL-2014 WH2XHH**
 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 0478-EX-PL-2014 WH2XHJ**
 New experimental to operate on 1227.60 and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.
 Fixed: Palmdale (Los Angeles), CA
- **MITRE CORPORATION, THE 0162-EX-PL-2014 WH2XCI**
 New experimental to operate in 2505.00 - 4100.00, 4210.00 - 4995.00, 5005.00 - 6210.00, 6320.00 - 8250.00, 8450.00 - 9995.00, 10005.00 - 12200.00, 13500.00 - 14990.00 and 15010.00 - 16000.00 kHz to test HF communications (MIMO)
 Fixed: Bedford (Middlesex), MA; Worcester (Worcester), MA; Oneida (Oneida), NY; Rome (Oneida), NY
- **NOKIA SOLUTIONS AND NETWORKS US LLC 0679-EX-PL-2014 WH2XLL**
 New experimental to operate in 68-76 GHz for equipment testing
 Fixed & Mobile: Arlington Heights, IL; Mountain View, CA; Irving, TX; Austin, TX; Brooklyn, NY
- **NORTHROP GRUMMAN SYSTEMS CORPORATION 0332-EX-PL-2014 WH2XHT**
 New experimental to operate on 4495 MHz and 4865 MHz and in 5350-5570 MHz to test bi-directional airborne links.
 Mobile: Melbourne, FL: Max altitude 45,000 ft. AMSL

- **NORTHROP GRUMMAN SYSTEMS CORPORATION 0571-EX-PL-2014 WH2XKP**
 New experimental to operate on 14.62 GHz and in 15.15-15.35 GHz to test a radar system and air-to-ground data equipment.
 Fixed & Mobile: Mojave (Kern), CA; Red Bluff (Tehama), CA; McClellan Park (Sacramento), CA
 Airborne at max altitude of 50,000 ft
- **NORTHROP GRUMMAN SYSTEMS CORPORATION 0616-EX-PL-2014 WH2XKW**
 New experimental to operate on 1675 MHz, 1680 MHz, 1690 MHz, 1720 MHz, 1750 MHz, 2420 MHz and 2450 MHz to launch, fly and recover unmanned aerial vehicles over the area of significant forest fires to support the California state forestry and fire protection department.
 Mobile: San Diego, CA: maximum altitude 5,000 feet AGL
- **NORTHROP GRUMMAN SYSTEMS CORPORATION 0625-EX-PL-2014 WH2XKY**
 New experimental to operate in 2910-3100 MHz for production tests of air surveillance radar systems that are for sale exclusively to foreign governments.
 Fixed: Hanover (Anne Arundel), MD; Sykesville (Carroll), MD; Linthicum (Anne Arundel), MD; Annapolis (Anne Arundel), MD; Georgetown (Sussex), DE
- **OHIO UNIVERSITY 0349-EX-PL-2014 WH2XHO**
 New experimental to operate on 109.70 MHz for testing aviation ILS system
 Fixed & Mobile: Within the Continental US
- **PANASONIC AVIONICS CORPORATION 0007-EX-PL-2014 WG2XZX**
 New experimental to operate in frequency bands between 415.50 and 5825.00 MHz for testing portable electronics on aircraft
 Mobile Temporary fixed on parked aircraft
- **RAYTHEON INTEGRATED DEFENSE SYSTEMS 0690-EX-PL-2014 WH2XLM**
 New experimental to operate in 9300-10000 MHz. To test and develop an extended-range AMRAAM
 Mobile: White Sands Missile, NM
- **RAYTHEON TECHNICAL SERVICES COMPANY 0622-EX-PL-2014 WH2XJX**
 New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
 Fixed: Riverdale (Prince Georges), MD
- **SAZE TECHNOLOGIES, LLC 0634-EX-PL-2014 WH2XLN**
 New experimental to operate in 3.3-3.4 GHz for development of radar techniques that enable multiple radars to operate cooperatively
 Mobile: Transportable fixed within Southern Maryland and Northern Virginia
- **SEATTLE-TACOMA INTERNATIONAL AIRPORT (SEA) 0546-EX-PL-2014 WH2XKO**
 New experimental to operate on 9410 MHz for use of avian radar technology focusing on avian persistence in an area.
 Fixed: SeaTac (King), WA
- **SPACE EXPLORATIONS TECHNOLOGIES 0572-EX-PL-2014 WH2XKQ**
 New experimental to operate in 2090-2093 MHz to provide a command path to a space vehicle.
 Fixed: Cape Canaveral (Brevard), FL

- **SPACE EXPLORATIONS TECHNOLOGIES 0575-EX-PL-2014 WH2XKT**
 New experimental to operate in 2090-2093 MHz to provide a command path to a space vehicle.
 Fixed: Vandenberg AFB, CA
- **TEXAS A&M UNIVERSITY AGGIESAT LAB 0305-EX-PL-2014 WH2XGN**
 New experimental to operate in 145.97 - 145.99, 436.23 - 436.27, 902.00 - 928.00 MHz for CubeSat testing
 Mobile: Nongeostationary, Space Orbit
- **TRANSPORTATION TECHNOLOGY CENTER 0587-EX-PL-2014 WH2XKL**
 New experimental to operate on 218.975 and 218.975 MHz for testing positive train control (PTC) systems
 Fixed: Pueblo (Pueblo), CO
- **TRELLISWARE TECHNOLOGIES, INC. 0773-EX-PL-2013 WG2XZF**
 New experimental to operate in 1.80 - 12.00 MHz to implement and field test the design of an advanced wideband hf waveform.
 Mobile: Julian, CA
- **UNIVERSITY OF MICHIGAN 0386-EX-PL-2014 WH2XFP**
 New experimental to operate on 437.485 MHz to test Cubesats.
 Mobile: Nongeostationary Space Orbit
- **VIRGINIA TECH ELECTRICAL AND COMPUTER ENGINEERING 0655-EX-PL-2014 WH2XLE**
 New experimental to operate in frequency bands between 450.00 and 3650.00 MHz for testing O-CORNET.
 Fixed & Mobile: Virginia Tech Campus, Blacksburg (Montgomery), VA