

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

Released: August 4, 2016

Report No. 479 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 4/1/16 to 4/30/16:

- **ADC AUTOMOTIVE DISTANCE CONTROL SYSTEMS GMBH WI2XGF 0169-EX-PL-2016**
New experimental to operate on 76 GHz for equipment testing
Mobile: Southeast MI region (50mi radius from Detroit, MI)
- **AEROVIRONMENT, INC. WI2XHM 0198-EX-PL-2016**
New experimental to operate on 2 GHz for SUAS system testing
Mobile: Ground Based Locations within 12km of center, Simi Valley (Ventura), CA; East Kern (Kern), CA;
- **AMERICAN INNOVATIONS WI2XGC 0084-EX-PL-2016**
New experimental to operate on 1575.42 MHz to test a GPS reradiator
Fixed: Austin (Travis), TX
- **AQUILA SPACE, INCORPORATED WH2XXT 0299-EX-PL-2015**
New experimental to operate in 400.155 - 400.195, 402.58 - 402.62, 1615.00 - 1618.725 MHz and on 26.80 GHz to test Cubesats Corvux BC1 and BC2.
Fixed & Mobile: Nongeostationary Space Orbit, LEO SAT, 610 km circular altitude, 97.8 deg. incl.
- **AQUILA SPACE, INCORPORATED WI2XCP 0721-EX-PL-2015**
New experimental to operate in 400.155 - 400.195, 402.58 - 402.62, 1615.00 - 1618.725 MHz and on 26.80 GHz to operate Cubesat Corvus BC3
Fixed & Mobile: Nongeostationary Space Orbit, LEO SAT, 720km x 450km altitude, 97.8 deg. incl.

- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XGP 0167-EX-PL-2016**
New experimental to operate in 9.80 - 10.50 GHz to demonstrate radar.
Mobile: Temporary Fixed Ground Operations, Merrimack, NH
- **BOEING COMPANY, THE WI2XCT 0782-EX-PL-2015**
New experimental to operate in 9.45 - 10.00 GHz for testing Boeing MSA aircraft.
Fixed & Mobile: Flight 37000 ft AGL, Hanover, MD
- **BOEING COMPANY, THE WI2XGU 0156-EX-PL-2016**
New experimental to operate on 2210.00, 2230.00, 2260.00 and 2280.00 MHz to test the functional characteristics of the telemetry system.
Mobile: 36000 ft AGL, Berkeley, MO
- **BOEING COMPANY, THE WI2XGW 0159-EX-PL-2016**
New experimental to operate in 2200.00 - 2300.00 MHz to test the functional characteristics of the telemetry system.
Mobile: 36000 FT AGL, Berkeley, MO
- **C SPEED, LLC WI2XHN 0218-EX-PL-2016**
New experimental to operate in 2900 – 3100 MHz for Radar testing
Fixed: Rome (Oneida), NY
- **CALIFORNIA POLYTECHNIC STATE UNIVERSITY DEPT OF AEROSPACE ENGINEERING WI2XHX 0215-EX-PL-2016**
New experimental to operate on 1670 MHz
For testing SUAS
Mobile: Ground Based Locations within 4.63km of center of San Luis Obispo, CA
- **COHERE TECHNOLOGIES WI2XHY 0247-EX-PL-2016**
New experimental to operate in 3650 – 3675 MHz for equipment testing
Fixed & Mobile: Tracy (San Joaquin), CA; Castro Valley (Alameda), CA; Napa (Napa), CA; San Francisco (San Francisco), CA; Santa Clara (Santa Clara), CA
- **GENERAL DYNAMICS WI2XHH 0162-EX-PL-2016**
New experimental to operate in 4.438-4.5 GHz, 14.605-14.715 GHz and 15.245-15.35 GHz for verification of point-to-point backhaul radio operation for 16 production transportable systems and a lab node.
Fixed: Scottsdale (Maricopa), AZ
- **GENERAL DYNAMICS WI2XHI 0194-EX-PL-2016**
New experimental to operate in 4.4438-4.5 GHz, 14.605-14.715 GHz and 15.245-15.35 GHz for verification of point-to-point backhaul radio operation for 16 production transportable systems and a lab node.
Fixed: Phoenix (Maricopa), AZ
- **GOOGLE INC. WI2XFG 0095-EX-PL-2016**
New experimental to operate in 3400-3700 MHz for propagation testing.
Fixed & Mobile: Kansas City, KS

- **GOOGLE INC. WI2XGT 0142-EX-PL-2016**
 New experimental to operate in 2568-2590 MHz, 5775-5825 MHz and on 73 GHz and 83 GHz for propagation measurements.
 Mobile: Spaceport America, NM; Airborne, Max Altitude 25,000 ft.
- **GOOGLE INC. WI2XHG 0211-EX-PL-2016**
 New experimental to operate on 60.5 GHz to conduct demonstrations of an experimental transmitter.
 Mobile: Nationwide US
- **IMSAR LLC WH2XZE 0594-EX-PL-2015**
 New experimental to operate in 769.00 - 788.00, 799.00 - 960.00, 1625.00 - 1850.00 MHz and 15.60 - 17.10 GHz to test a Synthetic Aperture Radar (SAR) system.
 Mobile: On aircraft at 6,000 feet AGL or below, Roseville, CA
- **INTELSAT LICENSE LLC WI2XGK 0181-EX-PL-2016**
 New experimental to operate in 14.00 - 14.47 GHz to verify airborne performance of Ku-Band antenna.
 Mobile: Throughout the United States
- **LAWRENCE C. MEREDITH WI2XHK 0236-EX-PL-2016**
 New experimental to operate in 465 – 479 kHz for antenna and transmitter design and testing.
- **LOCKHEED MARTIN CORPORATION WI2XHE 0144-EX-PL-2016**
 New experimental to operate on 123.45 MHz to test VHF aircraft addressing system.
 Mobile: Marietta, GA
- **LOCKHEED MARTIN CORPORATION WF2XWL 0176-EX-PL-2016**
 New experimental to operate on 2270.50, 2280.50, 2281.50, 4401.50, 4410.50 and 4411.50 MHz to support of the extended area protection system missile test.
 Mobile: Grand Prairie (Dallas), TX; Ft Worth (Tarrant), TX
- **LOCKHEED MARTIN CORPORATION WI2XHF 0222-EX-PL-2016**
 New experimental to operate in 2900 – 3100 MHz for equipment testing
 Mobile: Grand Prairie, TX
- **MARK L. LANGENFELD WI2XHJ 0228-EX-PL-2016**
 New experimental to operate in 470 – 480 kHz to test RF propagation
 Fixed: Monticello (Green), WI
- **NOKIA SOLUTIONS AND NETWORKS US LLC WI2XHS 0232-EX-PL-2016**
 New experimental to operate in 38.60 - 40.00 GHz for equipment testing
 Fixed & Mobile: Irving (Dallas), TX; Arlington Heights (Cook), IL; Waltham (Middlesex), MA; Basking Ridge (Somerset), NJ; Euless (Tarrant), TX; Murray Hill (Union), NJ; South Plainfield (Middlesex), NJ; Framingham (Middlesex), MA
 Fixed: Westerville (Delaware), OH
- **OSHKOSH CORPORATION WI2XFZ 0098-EX-PL-2016**
 New experimental to operate in select government bands from 3 MHz to 1.7 GHz for radio testing
 Fixed: Oshkosh (Winnebago), WI

- PLANETARY RESOURCES DEVELOPMENT CORPORATION WI2XES 0025-EX-PL-2016**
 New experimental to operate in 401.43 - 401.57 and 8470.00 - 8480.00 MHz for testine Cubesat experiment for Arkyd6
 Mobile: Low Earth Orbit / SSO 10:30 LTDN / 475 km
- QUALCOMM TECHNOLOGIES, INC WI2XHC 0213-EX-PL-2016**
 New experimental to operate in 57.50 - 64.00 GHz to test RF propagation
 Mobile: Bridgewater, NJ
- QUALCOMM TECHNOLOGIES, INC WI2XGS 0214-EX-PL-2016**
 New experimental to operate in 57.50 - 64.00 GHz to test RF propagation
 Mobile: New Brunswick, NJ
- RAVEN INDUSTRIES, INC. WI2XGQ 0116-EX-PL-2016**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
 Fixed: Sioux Falls (Minihaha), SD
- RAYTHEON MISSILE SYSTEMS WH2XYX 0540-EX-PL-2015**
 New experimental to operate on 437.425, 437.450 and 2425.000 MHz for operation of microsatellite (CubeSat)
 Fixed & Mobile: Nongeostationary Space Orbit
- RAYTHEON IDS WI2XGB 0101-EX-PL-2016**
 New experimental to operate on 9.41 GHz to test radar system in X-Band.
 Mobile: Lowell, MA
- RAYTHEON IDS WI2XHV 0246-EX-PL-2016**
 New experimental to operate in 9550 – 9650 MHz to test a radar system
 Mobile: Sudbury, MA; Boulder, CO
- RAYTHEON SAS WI2XFV 0120-EX-PL-2016**
 New experimental to operate in 880.00 - 940.00 MHz for Radar testing for flight simulations.
 Mobile Washington, DC; Arlington, VA; St Louis Park, MN; Plymouth, MN; Chesapeake Beach, MD; Tilghman Islands, MD
- SOUNDTRONICS WIRELESS WI2XIR 0188-EX-PL-2016**
 New experimental to operate in 944-960 MHz for equipment testing.
 Mobile: Studio City, CA