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: April 21, 2016

## Report No. 476 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 1/1/16 to 1/31/16:

* **AEROSPACE CORPORATION, THE WI2XBG 0586-EX-PL-2015**

New experimental to operate on 914.7 MHz for CubeSat mission testing

Fixed & Mobile: El Segundo (Los Angeles), CA; College Station (Brazos), TX; Gainsville (Aluchia), FL; Kihei (Maui), HI; Mt. Wilson (Los Angeles), CA; Vandenberg AFB (Santa Barbara), CA; Nongeostationary Space Orbit over Los Angeles, CA

* **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XAH 0655-EX-PL-2015**

New experimental to operate on 252.00, 287.00 and 316.00 MHz for testing RF systems.

Mobile: Temporary Fixed Ground Operations, Merrimack, NH

* **CALIFORNIA, STATE OF WI2XDT 0005-EX-PL-2016**

New experimental to operate on 401.8105 and 401.8855 MHz for data collection using GOES

Fixed: Walnut Grove (Sacramento), CA

* **CALIFORNIA, STATE OF WI2XDS 0006-EX-PL-2016**

New experimental to operate on 401.9575 MHz for data collection using GOES.

Fixed: Walnut Grove (Sacramento), CA

* **CALIFORNIA, STATE OF WI2XDU 0008-EX-PL-2016**

New experimental to operate on 401.9575 MHz for data collection using GOES.

Fixed: Walnut Grove (Sacramento), CA

* **DELTA AIR LINES INC WI2XBI 0624-EX-PL-2015**

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

Fixed: Detroit (Wayne), MI; Atlanta (Clayton), GA; Minneapolis (Hennepin), MN

* **ERICSSON WI2XBR 0629-EX-PL-2015**

New experimental to operate in 14.50 - 15.35 GHz for equipment testing

Fixed & Mobile: Waltham (Middlesex), MA Inside the Verizon Innovation Lab

* **ERICSSON WI2XDB 0801-EX-PL-2015**

New experimental to operate on 14 GHz and 28 GHz

For equipment testing

Fixed & Mobile: Piscataway (Middlesex), NJ

* **GENERAL ATOMICS AERONAUTICAL SYSTEMS WI2XAI 0632-EX-PL-2015**

New experimental in 16.25-18.24 GHz for aircrew training requirements for unmanned aircraft systems.

Mobile: Grand Forks, ND airborne max altitude 30,000 ft

* **GEOCHEMICAL AND ENVIRONMENTAL RESEARCH GROUP WI2XCL**

**0709-EX-PL-2015**

New experimental to operate in 4.438-4.488 MHz for use of CODAR SeaSonde radars to measure and map near-surface ocean currents, wave heights and local wind direction.

Fixed: Gilchrist (Galveston), TX

* **HEADSIGHT, INC. WI2XAB 0551-EX-PL-2015**

New experimental to operate on 3.475 GHz to conduct experimental operations and testing in connection with product development and/or market trials of its ultra-wide band (UWB) ground penetrating radar device.

Mobile: Plentywood, MT and surrounding area

* **KYMETA CORPORATION WI2XBA 0670-EX-PL-2015**

New experimental to operate in 10.70 - 12.75 GHz and 17.00- 21.00 GHz to test and demonstrate various antenna technologies.

Fixed: Throughout the US

* **LOCKHEED MARTIN CORPORATION WI2XCM 0752-EX-PL-2015**

New experimental to operate on 2377.00 and 2412.00 MHz to support an autonomous shuttle pilot program.

Mobile Grand Prairie (Dallas), TX; Littleton (Arapahoe), CO; Avon (Hendricks), IN

* **LOCKHEED MARTIN CORPORATION WI2XCV 0778-EX-PL-2015**

New experimental to operate on 1436.50 and 1747.50 MHz to perform a ground test of air vehicle system.

Fixed: Essington (Delaware), PA

* **NOKIA SOLUTIONS & NETWORKS US LLC WI2XDD 0771-EX-PL-2015**

New experimental to operate on 3.4 GHz for Testing prototype equipment.

Fixed: Irving (Dallas), TX; Arlington Heights (Cook), IL

* **NOKIA SOLUTIONS AND NETWORKS US LLC WI2XDA 0792-EX-PL-2015**

New experimental to operate on 38 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; Brooklyn (Kings), NY;

* **NORTHROP GRUMMAN SYSTEMS CORPORATION WI2XCQ 0749-EX-PL-2015**

New experimental to operate in 5690-5720 MHz for testing radar transmission techniques that will enhance a tactical radar performance.

Fixed: Rolling Meadows (Cook), IL

* **ORBITAL ATK WI2XBF 0693-EX-PL-2015**

New experimental to operate Indoor equipment testing at 26 GHz

Fixed: Dulles (Loudoun), VA

* **PARALLEL WIRELESS, INC. WI2XED 0053-EX-PL-2016**

New experimental to operate in 1920.00 - 1980.00 and 2110.00 - 2170.00 MHz for testing 3G, 4G, 5G equipment

Fixed & Mobile: Nashua, NH

* **QUALCOMM TECHNOLOGIES, INC WI2XCC 0751-EX-PL-2015**

New experimental to operate in 3550-3650 MHz to evaluate a downlink LTE system.

Fixed & Mobile: Bridgewater (Somerset), NJ

* **SPIDERCLOUD WIRELESS, INC WI2XDM 0797-EX-PL-2015**

New experimental to operate in 869-894 MHz to test 3G femtocell wireless products.

Fixed: San Diego (San Diego), CA

* **SRC, INC WI2XBU 0725-EX-PL-2015**

New experimental to operate in 420-450 MHz for research, testing, and development of a radar.

Fixed & Mobile: Syracuse (Onondaga), NY

* **TESTCO, LLC WI2XDF 0012-EX-PL-2016**

New experimental to operate in 38600.00 - 40000.00 MHz for testing prototype equipment.

Fixed: Boston, MA; New York, NY; Washington, DC

* **TEXAS TECH UNIVERSITY REESE CENTER WI2XEC 0052-EX-PL-2016**

New experimental to operate on 9330.00 MHz for testing TTU Ka radars.

Fixed: Lubbock, TX

* **THALES INFLYT EXPERIENCE WI2XCN 0742-EX-PL-2015**

New experimental to operate in 29500.00 - 30000.00 MHz to test a fixed antenna earth station.

Fixed: Irvine, CA

* **TORO COMPANY, THE WI2XCR 0757-EX-PL-2015**

New experimental to operate on 1227.60 and 1575.42 MHz for testing GPS.

Fixed: Bloomington (Hennepin), MN

* **TURBINE AIRCRAFT SERVICES, LLC WH2XZI 0495-EX-PL-2015**

New experimental to operate on 1575.00 MHz for testing GPS.

Fixed: Bethany (Oklahoma), OK