PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

455 12TH STREET, S.W.

WASHINGTON, D.C. 20554

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## Report No. 493 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 6/1/17 to 6/30/17:

* **3DB COMMUNICATION INC. WI2XXG 0300-EX-CN-2017**

New experimental to operate in 6765.00 - 24890.00 MHz for research and development of performance-enhancement measures for HF communication.

Fixed: Orangeburg (Rockland), NY; Saint Charles (Kane), IL

* **ARTEMIS, INC. WI2XXH 0221-EX-CN-2017**

New experimental to operate on 9525 MHz and 34.4 GHz for a synthetic aperture radar (SAR) system.

Mobile: Spanish Fork, UT: Max altitude 5,000 ft. AGL

* **AT&T LABS WI2XWI 0119-EX-CN-2017**

New experimental to operate in 3550-3650 MHz for equipment testing

Fixed: Plano (Collin), TX

* **AT&T SERVICES, INC. WI2XWD 0085-EX-CN-2017**

New experimental to operate in 3400.00 - 76000.00 MHz for propagation testing

Fixed: Austin (Williamson), TX

* **AXONICS MODULATION TECHNOLOGIES, INC. WI2XYC 0288-EX-CN-2017**

New experimental to operate on 125 kHz and in 402-405 MHz for testing in connection with clinical trials of a Sacral Neuromodulation System.

Mobile: Nationwide at limited clinical trial locations

* **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XYA 0387-EX-CN-2017**

New experimental to operate in 5.25 - 5.46 and 5.725 - 5.850 GHz for testing detector.

Mobile: Temporary Fixed Ground Operations, Merrimack, NH

* **BLUE DANUBE SYSTEMS WI2XWY 0339-EX-CN-2017**

New experimental to operate in 1930.00 - 1995.00 and 2110.00 - 2180.00 MHz for developing a phased array active antenna system to be used as part of a Remote Radio Head (RRH).

Fixed: Warren (Somerset), NJ; Santa Clara (Santa Clara), CA; Edinburg (Shenandoah), VA; Brooklyn (Kings), NY; St. Paul (Ramsey), MN; Woodstock (Shenandoah), VA

* **BOEING COMPANY, THE WI2XWQ 0228-EX-CN-2017**

New experimental to operate in 57.00 - 71.00 GHz to conduct tests on a 777-200 aircraft.

Fixed & Mobile: Marana (Pinal), AZ

* **BOEING COMPANY, THE WI2XXX 0350-EX-CN-2017**

New experimental to operate in 136.00 - 136.975 MHz To support Boeing KC-46A EMD.

Fixed: Seattle (King), WA

* **BOLLING POWELL STARKE IV (PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA) WI2XWZ 0242-EX-CN-2017**

New experimental to operate in 5.85 - 5.925 GHz to support the development and testing of ITS applications for vehicle-to-infrastructure communication

Fixed: Denver (Denver), CO

* **BROWN UNIVERSITY WI2XVS 0231-EX-CN-2017**

New experimental to operate in 97.50 - 410.00 GHz for testing propagation measurement.

Mobile: Brown University Campus, Providence, RI

* **C SPEED, LLC WI2XVG 0107-EX-CN-2017**

New experimental to operate in 2900-3100 MHz for testing radar systems.

Fixed: Pittsburg (Contra Costa), CA

* **C SPEED, LLC WI2XVH 0109-EX-CN-2017**

New experimental to operate in 2900-3100 MHz

For testing radar systems

Fixed: Benicia (Soland), CA

* **COBHAM ADVANCED ELECTRONIC SOLUTIONS INC. WI2XXV**

**0396-EX-CN-2017**

New experimental to operate in 3295.00 - 3305.00 MHz to perform testing of an antenna array.

Fixed: Lansdale (Montgomery), PA

* **EMBRY-RIDDLE AERONAUTICAL UNIVERSITY WI2XXC 0320-EX-CN-2017**

New experimental to operate on 38 GHz for testing 5G propagation

Fixed & Mobile In the university campus (Indoors and Outdoors), Prescott, AZ

* **GENERAL MOTORS RESEARCH CORPORATION WI2XUV 0212-EX-CN-2017**

New experimental to operate on 78.5 GHz to test automotive equipment.

Mobile: Metropolitan Areas throughout the US

* **HARRIS CORPORATION WI2XXO 0236-EX-CN-2017**

New experimental to operate in 13.25-13.4 GHz for a Ku-band air-to-air radar subsystem.

Fixed: Van Nuys (Los Angeles), CA

* **HARRIS CORPORATION WI2XXP 0267-EX-CN-2017**

New experimental to operate in 13.25-13.4 GHz to test a Ku-band air-to-air radar subsystem.

Fixed: Van Nuys (Los Angeles), CA

* **HARRIS CORPORATION WI2XXQ 0276-EX-CN-2017**

New experimental to operate in 13.25-13.4 GHz for a Ku-band air-to-air radar subsystem.

Fixed: Santa Clarita (Los Angeles), CA

* **HARRIS CORPORATION WI2XXR 0278-EX-CN-2017**

New experimental to operate in 13.25-13.4 GHz for a Ku-band air-to-air radar subsystem.

Fixed: Santa Clarita (Los Angeles), CA

* **HERLEY INDUSTRIES, INC. D/B/A ULTRA ELECTRONICS HERLEY WI2XXN 0249-EX-CN-2017**

New experimental to operate on 17.5 GHz for testing trajectory control unit and projectile control unit systems.

Fixed & Mobile: Temporary Fixed, Lancaster, PA

* **LOCKHEED MARTIN CORPORATION WI2XWT 0295-EX-CN-2017**

New experimental to operate in 10025.00 - 10475.00 MHz to test spotter RF radar units.

Mobile: Hanover (Anne Arundel), MD

* **LOCKHEED MARTIN CORPORATION WI2XRQ 0195-EX-CN-2016**

New experimental to operate on select frequencies between 365.50 and 1380.00 MHz to conduct test for Fury Unmanned Aircraft system.

Mobile: Dugway, UT. Within 30 nm of coordinates Max altitude 15000 ft

* **LOCKHEED MARTIN CORPORATION WI2XXY 0394-EX-CN-2017**

New experimental to operate in 8000-10000 MHz to test equipment.

Fixed: Grand Prairie (Tarrant), TX

* **METER GROUP, INC. USA WI2XXI 0362-EX-CN-2017**

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

Fixed: Pullman (Whitman), WA

* **MODULAR MINING SYSTEMS, INC WI2XXU 0384-EX-CN-2017**

New experimental to operate in 699.00 - 2155.00 MHz to evaluate LTE wireless communications.

Mobile: Sahuarita, AZ

* **RAYTHEON MISSILE SYSTEMS WI2XXW 0408-EX-CN-2017**

New experimental to operate in 400 MHz band to test radio equipment.

Fixed & Mobile: Valparaiso, FL

* **ROCKWELL COLLINS, INC. WI2XZE 0451-EX-CN-2017**

New experimental to operate in 800 MHz band to test UAS/UAV.

Mobile: Newton, IL

* **SPIDERCLOUD WIRELESS, INC WI2XUO 0192-EX-CN-2017**

New experimental to operate in 2500-2690 MHz to test multiple vendor portable equipment interoperating with the femto cell base station under development.

Fixed: Milpitas (Santa Clara), CA

* **SRC INC. WI2XXJ 0232-EX-CN-2017**

New experimental to operate in 9.5-10 GHz for operation of an X Band GMTI Radar for the purpose of testing GMTI performance of a prototype radar.

Mobile: Sparta, WI

* **TECHNOLOGY SERVICE CORPORATION WI2XVK 0262-EX-CN-2017**

New experimental to operate in 9.20 - 10.00 GHz developing an airborne sen-and-avoid(absaa) radar system

Mobile: HSV airport, 10000 ft AGL, Huntsville, AL

* **TELEPHONICS CORPORATION WI2XUW 0164-EX-CN-2017**

New experimental to operate in 9200.00 - 9750.00 MHz for testing AESA radar.

Mobile: Farmingdale, New York

* **TEXTRON AVIATION, INC. WI2XTV 0100-EX-CN-2017**

New experimental to operate on frequencies between 2375.50 and 5147.50 MHz for testing data from the aircraft to be transmitted to a receiving system

Mobile: R Tail, Kelly AFB, San Antonio, TX

* **TRIDENT SYSTEMS INCORPORATED WI2XTW 0152-EX-CN-2017**

New experimental to operate in 9320.00 - 10000.00 MHz for testing X-band SAR payload to image the earth from the aircraft.

Mobile: Baltimore, MD

* **VIASAT, INC WI2XVM 0264-EX-CN-2017**

New experimental to operate in 17700.00 - 30000.00 MHz for antenna testing.

Fixed: Pendergrass (Jackson), GA

* **VIRGINIA TECH MAAP - FAA UAS TEST SITE WI2XVR**

**0273-EX-CN-2017**

New experimental to operate in 9500.00 - 9800.00 MHz for FAA UAS Tests.

Mobile: Blacksburg, VA