PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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## Report No. 483 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 8/1/16 to 8/31/16:

* **ADAPTRUM INC WI2XMI 0492-EX-PL-2016**

New experimental to operate in 473.00 - 599.00 and 623.00 - 695.00 MHz for White space test for rural broadband

Fixed: Charlotte and Halifax Counties, VA

* **APPLIED COMPUTER SOLUTIONS WI2XMO 0521-EX-PL-2016**

New experimental to operate in 2620.00 - 2690.00 MHz for equipment testing.

Fixed: Atlanta (Fulton), GA

* **BLUE CANYON TECHNOLOGIES WI2XLS 0368-EX-PL-2016**

New experimental to operate in 449.975 - 450.025 MHz for testing Cubesat.

Mobile: Nongeostationary Space Orbit

* **BOEING COMPANY, THE WI2XGV 0158-EX-PL-2016**

New experimental to operate on 1049.00 and 1063.00 MHz to test the functional characteristics of the TACAN system.

Mobile: 36000 FT AGL, Berkeley, MO

* **BOEING COMPANY, THE WI2XLM 0386-EX-PL-2016**

New experimental to operate on 14470 MHz to conduct qualification testing for the DB-110 reconnaissance system.

Mobile: St. Louis, MO

* **BOEING COMPANY, THE WI2XLT 0446-EX-PL-2016**

New experimental to operate in 2402 – 2480 MHz for testing Zigbee.

Fixed: Hazlewood (St Louis), MO

* **GEORGIA INSTITUTE OF TECHNOLOGY WI2XMK 0537-EX-PL-2016**

New experimental to operate in 433-434 MHz for propagation testing.

Fixed: Atlanta, GA

* **HARRIS CORPORATION WI2XLB 0428-EX-PL-2016**

New experimental to operate on 9025 MHz, 9080 MHz, 9100 MHz and 9125 MHz for testing of ground approach radar sensors.

Fixed: Lancaster (Los Angeles), CA

* **KEYSIGHT TECHNOLOGIES, INC. WI2XLW 0494-EX-PL-2016**

New experimental to operate in 71.00 - 76.00 GHz for developing 5G test and measurement technologies.

Fixed: Santa Rosa (Sonoma), CA

* **LOCKHEED MARTIN CORPORATION WI2XLN 0464-EX-PL-2016**

New experimental to operate on 2.2 GHz to test an Advance Pilot Trainer telemetry.

Mobile: Greenville, SC

* **MASSACHUSETTS INSTITUTE OF TECHNOLOGY WI2XLV 0502-EX-PL-2016**

New experimental to operate in 2400.00 - 2484.00 MHz to test portable medical devices.

Mobile: Boston, MA

* **MDA INFORMATION SYSTEMS, LLC WI2XLX 0456-EX-PL-2016**

New experimental to operate on 9600 MHz for an airborne radar system which supports ground imaging research and development.

Mobile: Ypsilanti, MI

* **MIT LINCOLN LABORATORY WI2XKZ 0318-EX-PL-2016**

New experimental to operate in 103.00 - 108.00, 139.00 - 325.00 and 337.00 - 401.00 MHz to demonstrate and test the ability of autonomous vehicles.

Mobile: Oxford, ME

* **NOKIA WI2XLI 0461-EX-PL-2016**

New experimental to operate in 3.7-4.2 GHz for equipment testing

Fixed & Mobile: Plano (Collin), TX

* **RAVEN INDUSTRIES, INC. WI2XKV 0443-EX-PL-2016**

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

Fixed: Sioux Falls (Minnehaha), SD

* **RAYTHEON IIS WI2XJA 0322-EX-PL-2016**

New experimental to operate in 1616.00 - 1660.00 MHz to connect data processing system using ViaSat Satcom terminals.

Fixed: Indianapolis (Marion), IN

* **RAYTHEON IIS WI2XMM 0550-EX-PL-2016**

New experimental to operate in 2400.00 - 2450.00 MHz to test adapted Wi-Fi system under the FCC Part 15.

Fixed: Marana (Pima), AZ

* **RAYTHEON MISSILE SYSTEMS WI2XKL 0756-EX-PL-2015**

New experimental to operate in 5180.00 - 5250.00, 5500.00 - 5580.00, 5670.00 - 5700.00 and 5745.00 - 5825.00 MHz to test a Persistent Radios Quad Router System for incorporation into the Paveway missile system.

Fixed & Mobile: McKinney (Collin), TX

* **ROCKWELL COLLINS, INC. WI2XKS 0410-EX-PL-2016**

New experimental to operate To test data link in high altitude.

Mobile Rooftop, pole mounted omnidirectional antenna

* **THALES AVIONICS INC. WI2XIT 0306-EX-PL-2016**

New experimental to operate in 13.75 - 14.50 GHz for testing earth station modular connectivity terminal systems (MCT).

Fixed: Melbourne (Brevard), FL

* **UBIQUITI NETWORKS, INC. WI2XLR 0419-EX-PL-2016**

New experimental to operate in 3-30 MHz band (the “HF Band”) to conduct experiments to evaluate propagation.

Mobile: Morgantown, WV

* **UNIVERSITY OF MISSOURI-KANSAS CITY WI2XMD 0527-EX-PL-2016**

New experimental to operate in 2406.50 - 2476.50 and 5725.00 - 5825.00 MHz to test and research of an unmanned aircraft.

Mobile: Within Camp Roberts restricted airspace R2504, Paso Robles, CA