

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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WASHINGTON, D.C. 20554

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News media information 202/418-0500 Fax-On-Demand 202/418-2830

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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 W12XMI 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 W12XMO 0521-EX-PL-2016**  
New experimental to operate in 2620.00 - 2690.00 MHz for equipment testing.  
Fixed: Atlanta (Fulton), GA
- **BLUE CANYON TECHNOLOGIES W12XLS 0368-EX-PL-2016**  
New experimental to operate in 449.975 - 450.025 MHz for testing Cubesat.  
Mobile: Nongeostationary Space Orbit
- **BOEING COMPANY, THE W12XGV 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 W12XLM 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 W12XLT 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 W12XKL 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. W12XKS 0410-EX-PL-2016**  
 New experimental to operate To test data link in high altitude.  
 Mobile Rooftop, pole mounted omnidirectional antenna
- **THALES AVIONICS INC. W12XIT 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. W12XLR 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 W12XMD 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