PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
455 12TH STREET, S.W.
WASHINGTON, D.C. 20554

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Report No. 492 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 5/1/17 to 5/31/17:

- **AEROVIRONMENT, INC. WI2XVI 0121-EX-CN-2017**
  New experimental to operate on 2.3 GHz for testing small UAS technology
  Mobile: Hazel Green (Madison), AL; Tanner (Limestone), AL

- **ALLIANT TECHSYSTEMS LLC WI2XWL 0118-EX-CN-2017**
  New experimental to operate on 16.2 GHz
  For testing telemetry systems.
  Fixed & Mobile: Elk River (Anoka), MN

- **AMERICAN TOWER INDOOR DAS LLC WI2XWJ 0080-EX-CN-2017**
  New experimental to operate in 3.5 GHz bands for LTE testing
  Fixed & Mobile: Boston, MA

- **AMERICAN TOWER INDOOR DAS LLC WI2XWK 0103-EX-CN-2017**
  New experimental to operate in 3.5 GHz bands for LTE testing
  Mobile: Daytona Beach, FL

- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XTD 0113-EX-CN-2017**
  New experimental to operate in 24.00 - 24.80 GHz for testing radar systems.
  Mobile: Temporary Fixed Ground Operations, Merrimack NH and Madison, AL

- **BOEING COMPANY, THE WI2XWG 0301-EX-CN-2017**
  New experimental to operate in 7900.00 - 8400.00 MHz to support pre-production integration and test of the land based mobile SATCOM platform.
  Mobile: Kent (King), WA

- **BOEING COMPANY, THE WI2XWO 0314-EX-CN-2017**
  New experimental to operate in 401.40 - 406.00 MHz to support the use of a radiosonde weather balloon.
  Mobile: Surface to 80,000 Feet, White Sands Missile, NM;
  Surface to 80,000 Feet, Dugway Proving Grounds, UT;
  Surface to 80,000 Feet, Edwards Air Force Base, CA;
  Surface to 80,000 Feet, Wilcox Playa, AZ

- **CARNEGIE MELLON UNIVERSITY WI2XXL 0226-EX-CN-2017**
  New experimental to operate in 174.00 - 698.00 MHz to test TV White Spaces.
  Fixed & Mobile: Carnegie Mellon University Main Campus & Vicinity, Pittsburg (Allegheney), PA; Mountain View (Santa Clara), CA

- **CCO FIBERLINK, LLC WI2XXF 0180-EX-CN-2017**
  New experimental to operate in 27.50 - 28.35 GHz to test and evaluate millimeter wave coverage and capacity performance.
  Fixed: Throughout the State of Florida

- **CLARK EQUIPMENT COMPANY D/B/A BOBCAT COMPANY WI2XVP 0287-EX-CN-2017**
  New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.
  Fixed: Bismarck (Burleigh), ND; Gwinner (Sargent), ND

- **ERICSSON WI2XWS 0204-EX-CN-2017**
  New experimental to operate in 3550.00 - 3660.00 MHz for testing equipment at 3.5 GHz
  Fixed & Mobile: Plano (Collin), TX

- **FUJITSU NETWORK COMMUNICATIONS WI2XVO 0277-EX-CN-2017**
  New experimental to operate in 3550.00 - 3700.00 MHz for Demonstration of Small Cell POC.
  Fixed: Richardson (Collin), TX

- **ITRON, INC. WI2XVZ 0282-EX-CN-2017**
  New experimental to operate in 2400.00 - 2483.50 MHz for RF ID testing.
  Fixed & Mobile: Rainbow, CA

- **KONGSBERG UNDERWATER TECHNOLOGY, INC. WI2XVB 0222-EX-CN-2017**
  New experimental to operate in 5852.00 - 5872.00 MHz to test and demonstrate maritime broadband radio.
  Fixed & Mobile: Chesapeake Bay Region, Solomons, MD

- **LAUFER WIND GROUP LLC WI2XTU 0141-EX-CN-2017**
  New experimental to operate in 9380.00 - 9440.00 MHz to test and develop of radar activated FAA obstruction lighting system.
  Fixed: Bedford, NH; Rocky Flats, CO; Candia, NH

- **LOCKHEED MARTIN CORPORATION WI2XWA 0279-EX-CN-2017**
  New experimental to operate in 5250.00 - 5920.00 MHz to test equipment for the US Navy.
  Fixed: Moorestown (Burlington), NJ

- **MIMOSA NETWORKS, INC. WI2XVX 0290-EX-CN-2017**
  New experimental to operate in 10.00 - 10.45 GHz to test equipment.
  Fixed: Santa Clara (Santa Clara), CA

- **POLRCOM LLC WI2XWV 0179-EX-CN-2017**
  New experimental to operate on several frequencies between 7-16 MHz
  For HF testing
  Fixed: Cloverdale, IL

- **RAVEN INDUSTRIES, INC., WI2XWR 0321-EX-CN-2017**
  New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems Fixed: Baltic (Minnehaha), SD

- **RAYTHEON MISSILE SYSTEMS WI2XWM 0315-EX-CN-2017**
  New experimental to operate in 44.40 - 44.60 GHz to test equipment
  Mobile: Albuquerque (Bernalillo), NM

- **RAYTHEON MISSILE SYSTEMS WI2XWW 0266-EX-CN-2017**
  New experimental to operate in 92-96 GHz to test equipment.
  Fixed: Tucson and Florence (Pima), AZ;

- **RAYTHEON MISSILE SYSTEMS WI2XVQ 0289-EX-CN-2017**
  New experimental to operate on 1227.60 and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
  Fixed: Louisville (Jefferson), KY

- **ROCKWELL COLLINS, INC. WI2XVU 0280-EX-CN-2017**
  New experimental to operate in 3.00 - 300.00 kHz to develop a return-link waveform, lower-power VLF to HF band transmitter and receiver.
  Fixed: Richardson, TX

- **SPIDERCLOUD WIRELESS, INC WI2XXS 0284-EX-CN-2017**
  New experimental to operate in 3650-3700 MHz to test LTE operation in CBRS band outdoors.
  Fixed: Milpitas (Santa Clara), CA

- **STRAIGHT PATH VENTURES, LLC WI2XTT 0090-EX-CN-2017**
  New experimental to operate in 38.6-40 GHz for developing radios that can support 5G fixed and mobile services in the 39 GHz band.
  Fixed: Richardson, TX

- **TELEPHONICS WI2XVJ 0261-EX-CN-2017**
  New experimental to operate in 22.4675 - 22.6325 GHz for testing radar.
  Fixed: Farmingdale (Suffolk), NY

- **UNIVERSITY OF OKLAHOMA WI2XWB 0176-EX-CN-2017**
  New experimental to operate on 9430 MHz for testing weather radar
  Fixed: Norman (Cleveland), OH

- **VIASAT, INC WI2XVN 0272-EX-CN-2017**
  New experimental to operate in 30000.00 - 31000.00 MHz for testing the performance of antennas.
  Fixed: Pendergrass (Jackson), FL