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: August 5, 2016

Report No. 481 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 6/1/16 to 6/30/16:

- **AT&T WI2XID 0265-EX-PL-2016**
  New experimental to operate in 27500 – 28350 and 37000 – 40000 MHz for testing 5G radios
  Fixed: Middletown (Monmouth), NJ

- **AVWATCH, INC WI2XKF 0396-EX-PL-2016**
  New experimental to operate on 2377 MHz for testing aircraft data link at
  Fixed & Mobile: Sacramento (Sacramento), CA

- **CATERPILLAR, INC. WI2XHO 0183-EX-PL-2016**
  New experimental to operate in 699 – 3800 MHz for testing heavy equipment electronics.
  Fixed & Mobile: Mossville (Peoria), Il; Green Valley (Pima), AZ; Washington (Tazewell), IL

- **CORNELL UNIVERSITY WI2XJS 0356-EX-PL-2016**
  New experimental to operate on 29.795 MHz for testing a radar
  Fixed: Kingshill, VI

- **CORNELL UNIVERSITY WI2XJT 0357-EX-PL-2016**
  New experimental to operate on 29.795 MHz for testing radars
  Fixed: Homer (Kenai Peninsular), AK

- **CORNET TECHNOLOGY, INC. WI2XIX 0264-EX-PL-2016**
  New experimental to operate in 758 – 768 and 788 – 798 MHz for PS testing
  Fixed & Mobile: Springfield (Fairfax), VA

-
-
-

- **DRAX R FELTON WI2XJW 0393-EX-PL-2016**
  New experimental to operate in 135.80 - 138.80 and 465.00 - 478.00 kHz for studying wavelength of antenna.
  Fixed: China Grove (Rowan), NC

- **GENERAL ATOMICS AERONAUTCIAL SYSTEMS, INC. WI2XJL 0309-EX-PL-2016**
  New experimental on several frequencies between 5260 MHz and 5850 MHz for UAS testing under government contracts.
  Fixed & Mobile: Airborne: Max altitude 29,000 ft MSL, Grand Forks, ND

- **GLOBALSTAR, INCORPORATED WI2XLC 0242-EX-PL-2016**
  New experimental to operate in 1615-1618.725 MHz for space-to-space communications with three cubesats.
  Mobile: Nongeostationary Space Orbit, 1414km alt., 52deg. incl. (Globalstar)

- **HARRIS CORPORATION WI2XIZ 0292-EX-PL-2016**
  New experimental on several MF and HF frequencies between 2398 kHz and 29720 kHz for experimental interoperability testing and demonstrations of a wideband waveform.
  Fixed: Throughout the US

- **IMPINJ, INC. WI2XJE 0343-EX-PL-2016**
  New experimental to operate in 865 – 868 and 902 – 928 MHz to test RFID.
  Mobile: Seattle, WA

- **JAMES B. RODENKIRCH WI2XJG 0353-EX-PL-2016**
  New experimental to operate in 465 – 478 kHz to test equipment and antennas
  Fixed: Saint George (Washington), UT

- **LEOLABS, INC. WI2XJZ 0354-EX-PL-2016**
  New experimental to operate in 430 – 450 MHz to design and test a phase array radar system.
  Fixed: Kermit (Winkler), TX

- **LOCKHEED MARTIN CORPORATION WI2XKX 0352-EX-PL-2016**
  New experimental to operate on 6825 MHz to test a C-band microwave signals for a ground-based radar system.
  Fixed: Grand Prairie (Tarrant), TX

- **LOCKHEED MARTIN CORPORATION WI2XJY 0414-EX-PL-2016**
  New experimental to operate in 17.10 - 17.30 GHz to test a radar system in conjunction with its operational performances.
  Fixed: Owego (Tioga), NY

- **MICHIGAN STATE UNIVERSITY WI2XJI 0329-EX-PL-2016**
  New experimental to operate on 80.50 and 322 MHz to test Rare Isotope Beams.
  Fixed: East Lansing (Ingram), MI

- **NOKIA WI2XJU 0367-EX-PL-2016**
  New experimental to operate on 28 GHz for testing equipment at
  Fixed & Mobile: Plano (Collin), TX

-

- **NORTHROP GRUMMAN SYSTEMS CORPORATION WI2XAD 0561-EX-PL-2015**
  New experimental to operate in 33.4-36 GHz for research and development of an advanced Ka band radar system.
  Mobile: Eglin Air Force Base, FL: Max altitude 31,000 feet MSL

- **PARALLEL WIRELESS, INC. WI2XKO 0425-EX-PL-2016**
  New experimental to operate in 1710.00 - 1785.00 and 1805.00 - 1880.00000000 MHz for testing 5G technology
  Fixed & Mobile: Nashua, NH

- **PARALLEL WIRELESS, INC. WI2XKP 0427-EX-PL-2016**
  New experimental to operate on 800 MHz for testing
  LTE equipment
  Mobile: Nashua, NH

- **QUALCOMM TECHNOLOGIES, INC WI2XJV 0377-EX-PL-2016**
  New experimental to operate in 1850 – 1910, 1930 – 1990, 5150 – 5250, 5725 – 5850 MHz to test LTE-U.
  Fixed & Mobile: Oklahoma City (Oklahoma), OK; Cary (Wake), NC; Raleigh (Wake), NC

- **RAYTHEON IIS WI2XJO 0369-EX-PL-2016**
  New experimental to operate in 14052 – 14500 MHz to test VSAT network with other ground-base wireless technologies.
  Fixed: Sterling (Loudoun), VA

- **RAYTHEON MISSILE SYSTEMS WI2XIF 0794-EX-PL-2015**
  New experimental to operate in 5191 – 5825 MHz to test high data rate link
  Fixed & Mobile: Tucson (Pima), AZ

- **RICKY N. BEATTY WI2XJQ 0379-EX-PL-2016**
  New experimental to operate in 135.70 - 137.80 and 472.00 - 478.00 kHz for testing antennas.
  Fixed: Edmonds (Snohomish), WA

- **SEALANDAIRE TECHNOLOGIES WI2XJM 0361-EX-PL-2016**
  New experimental to operate on 1575.42 MHz using a GPS re-radiator to test a mobile autonomous marine platform.
  Fixed: Jackson (Jackson),

- **SIERRA NEVADA CORPORATION WI2XKA 0270-EX-PL-2016**
  New experimental to operate on 16.725 GHz to test the use of both Ground Moving Target Indicator and Synthetic Aperture Radar imagery and transmission.
  Mobile: Hagerstown, MD: airborne max altitude 22,000 ft. AGL

- **UNIVERSITY OF MASSACHUSETTS, AMHERST WI2XJJ 0239-EX-PL-2016**
  New experimental to operate on 32 GHz and 34.945 GHz to measure the Earth's surface topography from an airborne platform.
  Mobile: Shutesbury, MA: max altitude 10,000 ft. AGL