# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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**Report No. 455 EXPERIMENTAL ACTIONS**

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 3/1/14 to 3/31/14:

- **ADC AUTOMOTIVE DISTANCE CONTROL SYSTEMS GMBH 0163-EX-PL-2014 WH2XCO**
  New experimental to operate on 24 GHz for equipment testing
  Mobile: East Coast USA

- **AGCO CORPORATION 0021-EX-PL-2014 WH2XBR**
  New experimental to operate on 1227.60 MHz for testing radionavigation satellite service (RNSS) equipment and systems
  Fixed: Hesston (Harvey), KS

- **ARDUSAT INC 0787-EX-PL-2013 WG2XZS**
  New experimental to operate on 437 MHz for satellite communications
  Mobile: Low Earth Orbit, 51.6 degree inclination, 400km altitude

- **BOEING COMPANY, THE 0710-EX-PL-2013 WH2XAD**
  New experimental to operate on spot frequencies between 108 and 117 MHz for testing IRF 400
  Mobile: San Antonio (Bexar), TX

- **BOEING COMPANY, THE 0774-EX-PL-2013 WG2XZL**
  New experimental to operate on spot frequencies between 121.725 and 136.975 MHz To conduct intra-system EMC testing on any HBC 300/350 aircraft
  Fixed: Summit, DE

- **BOEING COMPANY, THE 0039-EX-PL-2014 WH2XAB**
  New experimental to operate on 2365 MHz for testing to support Boeing KC-46A EMD program
  Fixed: Seattle (King), WA

- **CARNEGIE MELLON UNIVERSITY 0020-EX-PL-2014 WG2XZV**
  New experimental to operate on 900 MHz and 2 GHz for testing GSM equipment
  Fixed & Mobile: City of Palo Alto (Santa Clara), CA

- **CHRISTIAN DIBENEDETTO 0123-EX-PL-2014 WH2XCC**
  New experimental to operate on 135 kHz for Amateur testing
  Fixed: Leonardtown (St. Mary's), MD

- **CISCO SYSTEMS INC 0161-EX-PL-2014 WH2XCN**
  New experimental to operate in various bands between 698 and 2689 MHz for lab testing equipment
  Fixed: Cisco Sytems office, San Francisco, CA

- **DE NOVO GROUP 0157-EX-PL-2014 WH2XCM**
  New experimental to operate on 6.1 GHz for testing microwave antennas
  Fixed: Manchester (Mendocino), CA

- **GOOGLE, INC. 0035-EX-PL-2014 WH2XCD**
  New experimental to operate in 76-77 GHz for demonstration and testing
  Mobile: Nationwide

- **JARVINIAN WIRELESS INNOVATION FUND 0112-EX-PL-2014 WH2XBC**
  New experimental to operate in 2473 – 2495 MHz to determine the device performance requirements of carrier grade terrestrial low power service.
  Fixed: Southold (Suffolk), NY

- **KAHNE 0045-EX-PL-2014 WH2XBJ**
  New experimental to operate in 433.17 - 434.67 MHz to research physical and behavioral changes in cattle
  Mobile: Lexington, KY

- **KYMETA CORPORATION 0084-EX-PL-2014 WH2XBO**
  New experimental to operate in 29658.50 - 29660.50 MHz to test and design of satellite antenna in Ka-Band
  Fixed: Redmond (King), WA

- **LIVETV 0203-EX-PL-2013 WG2XOM**
  New experimental to operate in 2412 – 2462, 5250 - 5284.50, 5285.50 - 5299.50, 5300.50 - 5359.50, 5360.50 - 5379.50, 5360.50 - 5379.50 and 5380.50 - 5382.50 MHz to test Wi-Fi system on board on a parked aircraft.
  Mobile: Houston George Bush International Airport (IAH), Houston (Houston), TX

- **LOCIVA 0146-EX-PL-2014 WH2XBK**
  New experimental to operate in 1710 – 1755 and 2110 – 2155 MHz to test and demonstrate 4G LTE
  Fixed & Mobile: Aberdeen Proving Grounds (Harford), MD; Ft Huachuca, AZ; Ft Dix, NJ

- **LOCKHEED MARTIN CORPORATION 0075-EX-PL-2014 WH2XAT**
  New experimental to operate on 16 GHz to test satellite voice and data
  Mobile: Moorestown, NJ

- **MICROSOFT CORPORATION 0060-EX-PL-2014 WH2XAV**
  New experimental to operate in 1980 – 1990 MHz and 2110 – 2130 MHz to test a wireless technology
  Mobile: Redmond, WA

- **NAVMAR APPLIED SCIENCES CORPORATION 0092-EX-PL-2014 WH2XBZ**
  New experimental to operate on 6.438, 6.505, 6.513 and 6.521 GHz for UAV testing
  Mobile: Elgin (Comanche), OK

- **PILATUS BUSINESS AIRCRAFT, LTD 0159-EX-PL-2014 WH2XCP**
  New experimental to operate on 2.4 GHz for testing Tped equipment for aviation compliance
  Mobile: Broomfield, CO

- **PUGET SOUND ENERGY, INC. 0141-EX-PL-2014 WH2XCL**
  New experimental to operate on 217 MHz for testing land mobile radios
  Fixed: LaCrosse (Whitman), WA; Pomeroy (Garfield), WA; Waitsburg (Columbia), WA

- **RAYTHEON COMPANY 0065-EX-PL-2014 WH2XBL**
  New experimental to operate in 5150 – 5150, 5460 – 5590 and 5650 – 6000 MHz to test a radar prototype system
  Fixed: Tewksbury (Middlesex), MA

- **RAYTHEON IDS 0759-EX-PL-2013 WH2XBI**
  New experimental to operate in 8 – 11 GHz to validate radiated insertion loss test for hardware requirements
  Fixed: Andover (Essex), MA

- **RAYTHEON IDS 0132-EX-PL-2014 WH2XBF**
  New experimental to operate on 9410 MHz to test and demonstrate a low power wind radar
  Fixed: Portsmouth (Newport), RI

- **RAYTHEON INTEGRATED DEFENSE SYSTEMS 0063-EX-PL-2014 WH2XAJ**
  New experimental to operate in 915 – 925 MHz to support highway tolling activities
  Fixed: Triangle (Prince William), VA

- **RAYTHEON MISSILE SYSTEMS 0160-EX-PL-2014 WH2XBM**
  New experimental to operate in 15.71 - 17.10 GHz to test a radar system for seeker technology
  Mobile: Tucson (Pima), AZ

- **RAYTHEON TECHNICAL SERVICES COMPANY 0068-EX-PL-2014 WH2XAQ**
  New experimental to operate in 9.30 - 9.50 GHz to design and demonstrate of an FLIR radar
  Fixed: Indianapolis (Marion), IN

- **TOYON RESEARCH CORPORATION 0055-EX-PL-2014 WH2XBQ**
  New experimental to operate in 14.00 - 14.50 GHz to demonstrate the capabilities of a distributed/scalable SATCOM OTM aperture system.
  Mobile: Goleta (Santa Barbara), CA

- **TRELLISWARE TECHNOLOGIES, INC. 0009-EX-PL-2014 WG2XZO**
  New experimental to operate in 1775 – 1815 and 2200 – 2250 MHz for testing MANET radio equipment.
  Mobile: San Diego, CA

- **UNIVERSITY OF MICHIGAN TRANSPORTATION RESEARCH INSTITUTE**
  **0016-EX-PL-2014 WH2XAW**
  New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
  Fixed: Ann Arbor (Washtenaw), MI