

PUBLIC NOTICE

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

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Report No. 484 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 9/1/16 to 9/30/16:

- **AIRSCAN, INC. WI2XLK 0471-EX-PL-2016**
New experimental to operate on 2.4 GHz and 5.8 GHz for UAS training
Mobile: Titusville, FL
- **AEROVIRONMENT, INC. WI2XNF 0028-EX-CN-2016**
New experimental to operate in 2380-2385 MHz
For UAV testing
Mobile: Ground Based Locations within 12km of center, Simi Valley (Ventura), CA
- **BIRD AEROSYSTEMS LTD WI2XMY 0036-EX-CN-2016**
New experimental to operate in 715.00 - 735.00 MHz for testing data link and radar operations.
Fixed & Mobile: Uvalde (Uvalde), TX
- **BNSF RAILWAY CO. WI2XMJ 0535-EX-PL-2016**
New experimental to operate in 16.20 - 16.50 GHz for Radar testing.
Mobile: Playas, NM
- **BOEING COMPANY, THE WI2XKT 0171-EX-PL-2016**
New experimental to operate in 100.00 - 108.00, 123.125 - 975.00 and 981.00 - 52500.00 MHz for testing the CST-100 vehicle communication systems.
Fixed: El Segundo, CA
- **BOEING COMPANY, THE WI2XND 0529-EX-PL-2016**
New experimental to operate in 2200.50 - 2300.00 MHz for Rotorcraft testing.
Mobile: Philadelphia, PA

- **BRAN FERREN CORPORATION WI2XKI 0433-EX-PL-2016**
 New experimental to operate in 16.75 - 17.25 GHz for testing surveillance radar system.
 Mobile: Throughout the US
- **CALIFORNIA STATE UNIVERSITY, NORTHRIDGE WH2XZG 0456-EX-PL-2015**
 New experimental to operate on 437.40 MHz to test CubeSat.
 Mobile: Nongeostationary Space Orbit
- **DIGIS LLC WI2XKN 0370-EX-PL-2016**
 New experimental to operate on 3.6 GHz for testing broadband using
 Mobile: Temporary fixed stations in Utah County, UT
- **EPISYS SCIENCE, INC. WI2XNB 0546-EX-PL-2016**
 New experimental to operate on spot frequencies between 4.03 and 29.93 MHz for propagation testing at HF frequencies.
 Fixed & Mobile: Tucson (Pima), AZ
- **EXTENET SYSTEMS, INC. WI2XKQ 0417-EX-PL-2016**
 New experimental to operate on 3.5 GHz for testing LTE equipment
 Fixed & Mobile: Indoors or within 1Km of base in Lisle, IL
- **GIRD SYSTEMS, INC. WI2XJN 0333-EX-PL-2016**
 New experimental in 2200-2300 MHz for development of a new waveform for the multiple vehicle communications system.
 Fixed: San Diego, CA; Cincinnati, OH; Panama City, FL
- **IRIDIUM SATELLITE LLC WI2XMS 0540-EX-PL-2016**
 New experimental to operate in 1618.725 - 1626.000 MHz to test earth station facilities.
 Fixed: Leesburg (Loudoun), VA; McLean (Fairfax), VA; Chandler (Maricopa), AZ
- **LOCKHEED MARTIN CORPORATION WI2XML 0498-EX-PL-2016**
 New experimental to operate in 2200.85 - 2216.65 MHz to test aircraft embedded data link.
 Mobile: Greenville, SC
- **LOCKHEED MARTIN CORPORATION WI2XMU 0522-EX-PL-2016**
 New experimental to operate on 9800.00 MHz to test and verify integration of radar system.
 Mobile: Greenville, SC
- **LOCKHEED MARTIN CORPORATION WI2XMV 0011-EX-CN-2016**
 New experimental to operate in 1670.00 - 2283.00 MHz to conduct test for Fury Unmanned Aircraft system.
 Mobile: Dugway, UT. Within 30 nm of coordinates Max altitude 15000 ft
- **LOCKHEED MARTIN CORPORATION WI2XMX 0012-EX-CN-2016**
 New experimental to operate in 4200.00 - 4400.00 MHz to test radar altimeter equipment.
 Mobile: Greenville, SC
- **MATHEW KAYALACKAKOM WI2XMG 0484-EX-PL-2016**
 New experimental to operate in 902.00 - 928.00, 2400.00 - 2500.00 and 5100.00 - 5850.00 MHz to test indoor antennas and equipment.
 Fixed: El Dorado Hills (El Dorado), CO

- **MC10 INC. WI2XNI 0048-EX-CN-2016**
 New experimental to operate on 13.56 MHz to test experimental medical devices that can log heart-rate.
 Mobile: Boston, MA
- **NIIVATECH WI2XNC 0009-EX-CN-2016**
 New experimental to operate on 16 GHz to test radar for avalanche study
 Fixed: Sundance (Utah), UT
- **PANASONIC CORPORATION WI2XNA 0528-EX-PL-2016**
 New experimental to operate on 5.8 GHz for equipment testing
 Mobile: Farmington Hills (Oakland), MI
- **RICE UNIVERSITY WI2XLO 0476-EX-PL-2016**
 New experimental to operate To test and develop multi-cell wireless network.
 Mobile Houston, TX
- **SANDEL AVIONICS INC. WI2XMA 0479-EX-PL-2016**
 New experimental to operate on 123.225 MHz and 1090 MHz for flight testing of new VHF aviation radio and UHF transponder.
 Mobile Carlsbad, CA: airborne, max altitude 35,000 ft. AGL
- **TESTCO LLC WI2XMF 0504-EX-PL-2016**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.
 Fixed: Boston (Suffolk), MA
- **TEXTRON AVIATION, INC. WI2XMQ 0551-EX-PL-2016**
 New experimental to operate on 4761.00 and 4895.00 MHz for testing antennas.
 Mobile: Nashville, TN; Tampa, FL
- **TEXTRON AVIATION, INC. WI2XMR 0004-EX-CN-2016**
 New experimental to operate Testing radar antenna.
 Mobile Nashville, TN