

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. 478 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 3/1/16 to 3/31/16:

- **ADC AUTOMOTIVE DISTANCE CONTROL SYSTEMS GMBH WI2XHA 0170-EX-PL-2016**
New experimental to operate on 76 GHz for equipment testing
Mobile: 50mi radius from Detroit, MI
- **AIR METHODS D.B.A. UNITED ROTOCRAFT WI2XGA 0104-EX-PL-2016**
New experimental to operate on 35.04, 129.40, 136.525, 451.8125, and 851.00 MHz for radio testing.
Fixed: Englewood (Arapahoe), CO
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XEW 0135-EX-PL-2015**
New experimental to operate in 3.168 - 6.336 GHz for testing equipment.
Mobile: Temporary Fixed Ground Operations, Hudson, NH
- **BOEING COMPANY, THE WI2XET 0073-EX-PL-2016**
New experimental to operate in 72.00 - 72.90 and 75.41 - 75.90 MHz for antenna testing.
Fixed: Hanover (Anne Arundel), MD
- **BOEING COMPANY, THE WI2XEZ 0115-EX-PL-2016**
New experimental to operate in 216.00 - 220.00 MHz to test a micro transmitter.
Mobile MOBILE: Up to 10,000 feet flight level, Mojave, CA and Yuma, CA
- **BOEING COMPANY, THE WI2XFN 0134-EX-PL-2016**
New experimental to operate on 150.80 MHz for testing maritime surveillance aircraft (MSA) production.
Fixed & Mobile: Flight 37000 ft AGL, Hanover, MD

- **CISCO SYSTEMS WI2XGR 0178-EX-PL-2016**
New experimental to operate on 800 MHz for equipment testing
Mobile: Cisco Campus in San Jose, CA and Austin, TX
- **COBHAM ADVANCED ELECTRONIC SOLUTIONS INC. WI2XGD 0146-EX-PL-2016**
New experimental to operate in 6.00 - 40.00 GHz for antenna testing
Fixed: Lansdale (Montgomery), PA
- **COUNTY OF ONEIDA WI2XEP 0058-EX-PL-2016**
New experimental to operate on 1360 MHz for UAS testing
Mobile Fixed location within 1 km Radius of Rome (Oneida), NY
- **DSNY WI2XCK 0758-EX-PL-2015**
New experimental to operate on 1575.420 MHz for testing a GPS reradiator for software compatibility.
Fixed: Douglaston (Queens), NY
- **ELBIT SYSTEMS OF AMERICA WI2XDZ 0018-EX-PL-2016**
New experimental to operate on 10 GHz for Radar testing
Fixed: Ft Worth (Tarrant), TX
- **GENERAL DYNAMICS WI2XFQ 0089-EX-PL-2016**
New experimental to operate on 1575.42 MHz using GPS re-radiator for test support on the Joint Tactical Radio System (JTRS) manpack radio equipment.
Fixed: Scottsdale (Maricopa), AZ
- **GEORGE K. MORRIS WI2XFI 0128-EX-PL-2016**
New experimental to operate in 465.00 - 479.00 kHz to test various RF propagation studies.
Fixed: Galena (Delaware), OH
- **GOOGLE INC. WI2XCS 0747-EX-PL-2015**
New experimental to operate in 71-76 GHz and 81-86 GHz for testing of radio equipment that may provide significant public interest benefits.
Mobile: United States (All 50) and Puerto Rico: max altitude 75,459 ft AGL
- **GRYPHON SENSORS WI2XFR 0122-EX-PL-2016**
New experimental to operate in 16.21-16.5 GHz for radar testing and demonstration.
Fixed & Mobile: Throughout the US
- **HEWLETT PACKARD ENTERPRISE WI2XGI 0192-EX-PL-2016**
New experimental to operate in 832-851 MHz, 854-862 MHz 1710-1780 MHz, 1920-1980 MHz and 2500-2570 MHz to evaluate a hybrid architecture that supports both LTE and Wi-Fi
Fixed: Las Vegas (Clark), NV
- **INSITU WI2XFH 0119-EX-PL-2016**
New experimental to operate on 1850.00 MHz to support a temporary UAS.
Fixed: Boardman, OR; Bingen, WA

- **INTEL CORPORATION WI2XFL 0138-EX-PL-2016**
New experimental to operate on 3800.00 MHz and in 27.50 - 28.50 GHz to validate design and characterize propagation impact of next generation of radio technologies.
Mobile: South Plainfield, NJ
- **LEARJET INC. WI2XFS 0127-EX-PL-2016**
Testing radionavigation satellite service (RNSS) equipment and systems using 1575.42 MHz.
Fixed: Portland (Marion), OR
- **LOCIVA WI2XFU 0145-EX-PL-2016**
New experimental to operate in 704.00 - 716.00, 734.00 - 746.00, 1710.00 - 1755.00 and 2110.00 - 2155.00 MHz to test and demonstrate 4G LTE.
Fixed & Mobile: Ft Derrick MD
- **NOKIA SOLUTIONS AND NETWORKS US LLC WI2XFD 0121-EX-PL-2016**
New experimental to operate on 15 GHz for equipment testing
Fixed & Mobile: Irving (Dallas), TX; Euless (Tarrant), TX
- **PANASONIC CORPORATION WI2XHQ 0226-EX-PL-2016**
New experimental to operate on 5.8 GHz for equipment
Mobile: Cupertino (Santa Clara), CA; Farmington Hills (Oakland), MI
- **RAYTHEON IIS WI2XDG 0795-EX-PL-2015**
New experimental to operate on 437.425 and 437.500 MHz for ground based testing of a telemetry link.
Fixed: Aurora (Arapahoe), CO; EL Paso (EL Paso), CO
- **RAYTHEON MISSILE SYSTEMS WI2XEX 0094-EX-PL-2016**
New experimental to operate on 73.50, 83.50 and 93.00 GHz to test high speed point to point data link.
Fixed: Rancho Cucamonga & Sunset Ridge (Los Angeles), CA
- **SEIGLE, PAUL D. WI2XFO 0132-EX-PL-2016**
New experimental to operate in 465-490 kHz for evaluation of experimental antenna designs and their effectiveness.
Fixed: Paoli (Orange), IN
- **SIERRA NEVADA CORPORATION WI2XEK 0736-EX-PL-2015**
New experimental to operate in 1990-2025 MHz, 2400-2500 MHz, 4400-4940 MHz and 6425-6525 MHz to test the transmission of Electro-optical/Infrared (EO/IR) tactical video imagery from aircraft to ground stations.
Mobile: Hagerstown, MD: Airborne max altitude 22,000 ft AGL
- **SIERRA NEVADA CORPORATION WI2XEY 0770-EX-PL-2015**
New experimental to operate on 1227.6 MHz and 1575.42 MHz for use of GPS re-radiators for indoor testing of aircraft navigation systems.
Fixed: Hagerstown (Washington), MD
- **SKYCAST SERVICES LLC WI2XER 0809-EX-PL-2015**
New experimental to operate in HF bands from 13.87 MHz to 21 MHz to pursue significant advancements in the state of telecommunications technology.
Fixed: Farmingvillen (Suffolk), NY

- **SOUTHWEST RESEARCH INSTITUTE WI2XGZ 0177-EX-PL-2016**
 New experimental to operate in 6.2-6.5 MHz, 10.2-11.7 MHz, 16.4-17.4 MHz and 22-22.8 MHz to test the performance characteristics of narrowband, frequency hopping HF transmissions.
 Fixed: San Antonio (Bexar), TX
- **SPIDERCLOUD WIRELESS, INC WI2XGX 0179-EX-PL-2016**
 New experimental to operate in 729-746 MHz for testing of multiple vendor portable equipment interoperating with the femto cell base station under development.
 Fixed: Milpitas (Santa Clara), CA
- **SPIDERCLOUD WIRELESS, INC WI2XGY 0180-EX-PL-2016**
 New experimental to operate in 729-746 MHz for testing of multiple vendor portable equipment interoperating with the femto cell base station under development.
 Fixed: San Diego (San Diego), CA
- **SPOTTER RF, LLC. WI2XFY 0105-EX-PL-2016**
 New experimental to operate on 10.25 GHz to assess the feasibility and best placements for radars.
 Mobile: Nationwide US including Hawaii and Alaska
- **TRANSEASTERN HOLDING CORPORATE DBA OBSERVANT NETWORK WI2XDP 0765-EX-PL-2015**
 New experimental to operate in 2.00 - 30.00 MHz for testing high speed waveform modems.
 Fixed: Tremont (Tazewell), IL; Whitney (Jill), TX
- **UNIVERSITY OF ALASKA - FAIRBANKS WI2XFX 0136-EX-PL-2016**
 New experimental to operate in 2650.00 - 2850.00, 3155.00 - 3400.00, 4438.00 - 4650.00, 4750.00 - 4995.00, 5005.00 - 5450.00, 5730.00 - 5950.00 and 7300.00 - 8100.00 kHz for Ionospheric research across multiple bands
 Fixed: Gakona (Valdez-Cordova), AK
- **UNIVERSITY OF ALASKA FAIRBANKS GEOPHYSICAL INSTITUTE WI2XDV 0002-EX-PL-2016**
 New experimental to operate in 1-40 MHz for Ionospheric research
 Fixed: Gakona (Valdez-Cordova), AK
- **UNIVERSITY OF WISCONSIN-MADISON WI2XGJ 0082-EX-PL-2016**
 New experimental to operate in 27.5-28.5 GHz for development, testing and demonstration of a state-of-the-art multiple input multiple (MIMO) wireless communication system for emerging applications at centimeter-wave and millimeter-wave (10-100GHz) frequencies.
 Fixed: Madison, WI
- **VIASAT, INC. WI2XFE 0125-EX-PL-2016**
 New experimental to operate in 28350.00 - 28600.00 and 29250.00 - 30000.00 MHz for testing new modem.
 Mobile