

# PUBLIC NOTICE

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

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News media information 202/418-0500 Fax-On-Demand 202/418-2830

Released: April 21, 2016

## Report No. 477                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 2/1/16 to 2/29/16:

- **BOOZ ALLEN HAMILTON W12XEF 0056-EX-PL-2016**  
New experimental to operate in 310.00 - 320.00, 430.00 - 435.00, 902.00 - 928.00 MHz and 2.40 - 2.50 GHz to demonstrate a custom electronics solution capable of interfacing to common commercial devices through standardized interfaces as an RF frontend.  
Fixed: El Segundo (Los Angeles), CA
- **BROADCOM CORPORATION W12XDR 0014-EX-PL-2016**  
New experimental to operate in 2500.00 - 2690.00 MHz for testing LTE equipment.  
Fixed & Mobile: Irvine, CA
- **FUJITSU NETWORK COMMUNICATIONS W12XCZ 0798-EX-PL-2015**  
New experimental to operate in 2110.00 - 2155.00 MHz for testing equipment.  
Fixed & Mobile: Richardson (Collin), TX
- **HARRIS CAPROCK CORPORATION W12XEU 0009-EX-PL-2016**  
New experimental to operate in 5925-6425 MHz, 14-14.5 GHz, 27.6-28.4 GHz and 28.6-29.1 GHz for testing and demonstration of a new earth station onboard vessel terminal.  
Fixed: Melbourne (Brevard), FL; Houston (Harris), TX; Miramar (Broward), FL; Malabar (Brevard), FL
- **HARRIS CORPORATION W12XFJ 0111-EX-PL-2016**  
New experimental to operate in 2407-2438 MHz and 2445-2476 MHz to demonstrate equipment.  
Fixed & Mobile: Palm Bay (Brevard), FL; Malabar (Brevard), FL; Webster (Sumter), FL; Frostproof (Polk), FL

- **INSITU WI2XCJ 0671-EX-PL-2015**  
 New experimental to operate in 1370.00 - 1390.00, 1780.00 - 1850.00, 2200.00 - 2290.00, 2312.50 - 2352.50, 2355.00 - 2390.00, 2357.50 - 2495.00 MHz to test UAVs.  
 Fixed & Mobile: Airborne with maximum Flight Level of 20K ft, Florence, AZ
- **INSITU WI2XCU 0787-EX-PL-2015**  
 New experimental to operate on frequencies between 1800.00 and 2310.00 MHz to support a data link on board of manned aircraft.  
 Mobile Airborne 6,000 Ft Max Flight Level, throughout the US
- **JARVINIAN ADVISORS WI2XEI 0059-EX-PL-2016**  
 New experimental to operate in 1695.00 - 1710.00 MHz to test AWS band and its impact on GOES and JPSS.  
 Mobile: Miami (Dade), FL; Suitland (Prince Georges), MD; Boulder (Boulder), CO
- **LOCKHEED MARTIN CORPORATION WD2XIC 0507-EX-PL-2014**  
 New experimental to operate on 1030.00 MHz to test aircraft for export.  
 Mobile US and possessions
- **LOCKHEED MARTIN CORPORATION WI2XEH 0057-EX-PL-2016**  
 New experimental to operate on 9375.00 MHz to test a weather radar system.  
 Fixed: Owego (Tioga), NY
- **M&A TECHNOLOGY, INC. WI2XEG 0811-EX-PL-2015**  
 To test equipment in 3 GHz band.  
 Fixed: Pasadena and Houston (Harris), TX
- **MOMENTUM DYNAMICS CORPORATION WI2XDK 0812-EX-PL-2015**  
 New experimental to operate on 20.00 kHz to test wireless charging for electric vehicles.  
 Fixed: Middle River (Baltimore), MD
- **MOTOROLA SOLUTIONS, INC. WI2XBN 0669-EX-PL-2015**  
 New experimental to operate in 420.50 - 430.00 MHz for conducting test for developmental equipment for export.  
 Fixed & Mobile: Plantation (Broward), FL
- **NISSAN TECHNICAL CENTER NORTH AMERICA, INC. WI2XEA 0030-EX-PL-2016**  
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
 Fixed: Farmington Hills (Oakland), MI
- **OCEUS NETWORKS WI2XDW 0013-EX-PL-2016**  
 New experimental to operate on 700 MHz for public safety testing  
 Fixed & Mobile: The Colony (Denton), TX
- **OCEUS NETWORKS WI2XDY 0015-EX-PL-2016**  
 New experimental to operate on 700 MHz for Public Safety testing  
 Fixed & Mobile: The Colony (Denton), TX; Plano (Collin), TX

- **QUALCOMM TECHNOLOGIES, INC. WI2XDH 0802-EX-PL-2015**  
 New experimental to operate in 824.00 - 894.00 MHz to test and demonstrate equipment.  
 Fixed & Mobile: Throughout the United States
- **QUALCOMM TECHNOLOGIES, INC. WI2XDI 0803-EX-PL-2015**  
 New experimental to operate in 698.00 - 787.00 MHz to test and demonstrate equipment.  
 Fixed & Mobile: Throughout the United States
- **QUALCOMM TECHNOLOGIES, INC. WI2XDJ 0805-EX-PL-2015**  
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
 Fixed: San Diego (San Diego), CA; Bridgewater (Somerset), NJ
- **RAYTHEON COMPANY WI2XCW 0790-EX-PL-2015**  
 New experimental to operate in 9250.00 - 9950.00 MHz to conduct ground and air testing of a radar system.  
 Fixed & Mobile: Sherman (Grayson), TX
- **RAYTHEON MISSILE SYSTEMS WI2XDX 0033-EX-PL-2016**  
 New experimental to operate in 16.235 - 17.300 GHz to test a radar seeker system.  
 Mobile: Inyokern (Kern), CA airborne under 10000 ft
- **RAYTHEON MISSILE SYSTEMS WI2XEO 0051-EX-PL-2016**  
 New experimental to operate in 437.425 - 2425.00 MHz to test on the ground and indoor radios embedded to SeeMe satellite.  
 Fixed: Los Angeles (Los Angeles), CA; Huntington Beach (Orange), CA; Irvine (Orange), CA; Los Alamitos (Orange), CA
- **ROBERSON AND ASSOCIATES, LLC WI2XEN 0806-EX-PL-2015**  
 New experimental to operate on 2.4 GHz for RF Testing.  
 Fixed: Schaumburg (Cook), IL
- **RURISOND, INC. WI2XCO 0761-EX-PL-2015**  
 New experimental to operate To conduct research in prototype radios.  
 Fixed & Mobile: Mountain View (Santa Clara), CA; Sebastapol, CA; Belmont, CA; Woodland, CA; Redwood City, CA; Pollock Pines, CA; San Francisco, CA; South Lake Tahoe, CA;
- **S2 CORPORATION WH2XUK 0239-EX-PL-2015**  
 New experimental to operate in various bands from 410 MHz to 110 GHz for development of a broadband spatial/spectral receiver in support of developing a broadband staring receiver.  
 Mobile: Bozeman, MT, field and parking lot next to office
- **SAAB DEFENCE AND SECURITY USA LLC WI2XDE 0692-EX-PL-2015**  
 New experimental to operate in 1230-1330 MHz for equipment developed for sale to a foreign government.  
 Fixed: East Syracuse (Onondaga), NY
- **SAMSUNG INFORMATION SYSTEM AMERICA, INC WF2XXE 0788-EX-PL-2015**  
 New experimental to operate on 27.925 GHz for propagation studies.  
 Fixed & Mobile: Richardson (Dallas), TX

- **SIRIUS XM RADIO INC. WI2XEM 0713-EX-PL-2015**  
 New experimental to operate on 1575.42 MHz using GPS re-radiators to enhance the safety and security, as well as features demanded by consumers, offered by next-generation connected vehicles.  
 Fixed: Irving (Dallas), TX
- **SOUTHWEST RESEARCH INSTITUTE WI2XEE 0737-EX-PL-2015**  
 New experimental to operate on frequencies between 2 MHz and 16 MHz for operation of ionospheric sounder technology.  
 Fixed: San Antonio (Bexar), TX
- **STARRY SPECTRUM LLC WI2XEB 0016-EX-PL-2016**  
 New experimental to operate in 38.2-38.6 GHz to evaluate the functionality, reliability and user acceptability of equipment and technologies to support new and innovative point-to-point and point-to-multipoint communications capabilities.  
 Mobile: Temporary fixed end user stations in Boston, MA area
- **TECOM INDUSTRIES, INCORPORATED WI2XBD 0637-EX-PL-2015**  
 New experimental to operate in 14.20 - 14.47 GHz for testing a 12” circular reflector motion stabilized antenna system. Mobile US, US
- **TEXAS TECH UNIVERSITY REESE CENTER WI2XEC 0052-EX-PL-2016**  
 New experimental to operate on 9330.00 MHz for testing TTU Ka radars.  
 Fixed: Lubbock, TX
- **USU RESEARCH FOUNDATION WI2XDQ 0019-EX-PL-2016**  
 New experimental to operate in 9.50 - 10.00 GHz to build and test a SAR system in X-band.  
 Mobile: Logan, UT; Evanston (Unita), WY;