

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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WASHINGTON, D.C. 20554

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

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## Report No. 482                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 7/1/16 to 7/31/16:

- **AEROSPACE CORPORATION, THE WI2XIA 0189-EX-PL-2016**  
New experimental to operate on 914.7 MHz for CubeSat mission testing  
Fixed & Mobile: El Segundo (Los Angeles), CA; College Station (Brazos), TX; Gainesville (Alachua), FL; Kihei (Maui), HI; Mt. Wilson (Los Angeles), CA; Vandenberg AFB (Santa Barbara), CA
- **BOEING COMPANY, THE WI2XAE 0652-EX-PL-2015**  
New experimental to operate in 13.75 - 14.50 GHz to test a Boeing/Global Eagle Entertainment (GEE) Satellite Antenna Assembly (SAA).  
Fixed: Seattle (King), WA; Renton (King), WA; Everett (Snohomish), WA
- **BOEING COMPANY, THE WI2XJX 0397-EX-PL-2016**  
New experimental to operate in 30.00 - 60.00, 138.00 - 150.00, 433.05 - 434.79 MHz and 2.40 - 2.50 GHz to support a temporary Department of Defense demonstration.  
Mobile: Fort Irwin, CA
- **BOEING COMPANY, THE WI2XLA 0463-EX-PL-2016**  
New experimental to operate in 9.45 - 10.00 GHz for testing MSA radar.  
Fixed & Mobile: Flight 37000 ft AGL, Hanover, MD
- **BRIAN JUSTIN WI2XLQ 0490-EX-PL-2016**  
New experimental to operate in 483.00 - 510.00 kHz to demo historical radio events.  
Fixed: Forest (Bedford), VA
- **C SPEED, LLC WI2XLH 0460-EX-PL-2016**  
New experimental to operate in 2900.00 - 3100.00 MHz for Radar demonstration  
Fixed: Rio Vista (Solano), CA

- **DETECTOR ELECTRONICS CORP. WI2XLP 0403-EX-PL-2016**  
 New experimental to operate in various bands between 25.00 and 920.00 MHz for RF Immunity testing.  
 Mobile: Bloomington (Hennepin), MN
- **ECHODYNE CORP. WI2XKY 0442-EX-PL-2016**  
 New experimental to operate on 24 GHz for Radar testing  
 Fixed & Mobile: Bellevue, WA; Boardman, OR; Hood River, OR; Playas, NM; Vaughn, NM; Port Mansfield, TX; Wheelock, TX; Blackstone, WA
- **ELTA NORTH AMERICA WI2XKW 0437-EX-PL-2016**  
 New experimental to operate on 24 GHz for testing radar software  
 Fixed: Fulton (Howard), MD; Baltimore (Baltimore), MD
- **FAIL-SAFE SOLUTIONS, LLC WI2XHP 0229-EX-PL-2016**  
 New experimental to operate in 262.00 - 268.00 and 388.00 - 394.00 MHz to provide management and operational support for UAS-RFTR.  
 Fixed & Mobile: Inside confines of Camp Gruber (Muscogee), OK
- **GENERAL MOTORS WI2XLY 0510-EX-PL-2016**  
 New experimental to operate in 76-77 GHz to test radars.  
 Mobile: Throughout the Continental U.S.
- **GENERAL MOTORS WI2XLZ 0512-EX-PL-2016**  
 New experimental to operate in 76-77 GHz to test radars  
 Mobile: Throughout the Continental U.S.
- **JOHN S. PARMALEE WI2XLJ 0449-EX-PL-2016**  
 New experimental to operate in 460-480 kHz for amateur testing  
 Fixed: Hockley (Montgomery), TX
- **LOCKHEED MARTIN CORPORATION WI2XLD 0424-EX-PL-2016**  
 New experimental to operate in 71.00 - 76.00 and 81.00 - 86.00 GHz to test a point to point wideband E-Band communication system.  
 Fixed: Sunnyvale (Santa Clara), CA
- **NORTHROP GRUMMAN SYSTEMS CORPORATION WI2XKC 0374-EX-PL-2016**  
 New experimental to operate in 421-450 MHz for flight testing Advanced Mission Management & Control System (AMMCS) Distributed Autonomous/Responsive Control (DA/RC) software and supporting hardware configurations with five aircraft simultaneously.  
 Mobile: Mojave, CA: max altitude 40,000 feet AGL
- **O3B LIMITED WI2XKR 0438-EX-PL-2016**  
 New experimental to operate on 28 GHz for antenna testing  
 Fixed: Nationwide US
- **RADIO CITY PRODUCTIONS, LLC WI2XLE 0459-EX-PL-2016**  
 New experimental to operate in 1435.00 - 1525.00 MHz To test and develop a new low power AUX station equipment.  
 Mobile: Radio City Music Hall, New York, NY

- **SOUNDTRONICS WIRELESS WI2XMB 0499-EX-PL-2016**  
New experimental to operate in 944-960 MHz for equipment testing.  
Mobile: NBC Universal Studios, Universal City, CA
- **SPACE EXPLORATION TECHNOLOGIES CORP. WH2XWB 0356-EX-PL-2015**  
New experimental to operate in 2077.5-2105.5 MHz, 8027.5-8087.5 MHz, 10.95-11.05 GHz and 14.2-14.3 GHz to test two small satellites that will eventually lead to a large constellation of small satellites for low-latency, worldwide, high-capacity Internet service.  
Mobile: Nongeostationary Space Orbit - Inclination 86.6°, apogee 625 km, perigee 625 km
- **WARREN H. ZIEGLER WI2XJP 0254-EX-PL-2016**  
New experimental to operate in 4.75 - 4.85, 5.005 - 5.060, 6.765 - 7.00 and 9.90 - 9.995 MHz for testing HF communications system.  
Mobile: Within 250km of 157 Plain Rd Wayland, MA