

# PUBLIC NOTICE

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

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News media information 202/418-0500

Released: May 3, 2017

## **Report No. 490                      EXPERIMENTAL ACTIONS**

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 3/1/17 to 3/31/17:

- **BOEING COMPANY, THE W12XRT 0013-EX-CN-2017**  
New experimental to operate in 2360.00 - 2395.00 and 4400.00 - 4940.00 MHz to test L3S Vortes and Air Net Rover Terminals.  
Fixed & Mobile: White Sands Missile Range - Salinas Peak, 25000FT MSL, White Sands, NM
- **BOEING COMPANY, THE W12XRU 0014-EX-CN-2017**  
New experimental to operate in 2360.00 - 2395.00 and 4400.00 - 4940.00 MHz to test L3S Vortes and Air Net Rover Terminals.  
Fixed & Mobile: Air National Guard Hangar Tarmac, Tucson, AZ;  
Holloman Air Force Base Hangar 1080 Tarmac, Alamogordo, NM
- **BOEING COMPANY, THE W12XTS 0031-EX-CN-2017**  
New experimental to operate on 131.55 and 136.975 MHz for testing of VHF datalink radio equipment.  
Mobile: 747 Test Ramp San Antonio, TX
- **BOEING COMPANY, THE W12XSQ 0091-EX-CN-2017**  
New experimental to operate in 4200.00 - 4400.00 MHz for testing equipment.  
Mobile Flight Ramp Boeing Building 73-75, Berkeley, MO
- **CARL J MORESCHI W12XSX 0110-EX-CN-2017**  
New experimental to operate on 400 kHz to evaluate the effectiveness of low resonant dipole antenna.  
Fixed: Louisburg (Franklin), NC

- **ERICSSON WI2XUC 0051-EX-CN-2017**  
 New experimental to operate on 28 GHz for testing 5G technology  
 Mobile: Palo Alto (Santa Clara), CA
- **HONEYWELL INTERNATIONAL INC. WI2XVA 0197-EX-CN-2017**  
 New experimental to operate in 76-77 GHz to use radar equipment to research and experiment with advanced technologies that involve object detection.  
 Fixed: Duluth (St. Louis), MN; Minneapolis (Hennepin), MN; Plymouth (Hennepin), MN;  
 Minneapolis (Hennepin), MN
- **HUNTINGTON INGALLS INDUSTRIES, INC. WI2XSS 0045-EX-CN-2017**  
 New experimental in 393.2625MHz - 399.725 MHz for testing of equipment operating on predetermined frequencies for national security cutters.  
 Mobile: Pascagoula, MS
- **JOSEPH PRICE WI2XSV 0007-EX-CN-2017**  
 New experimental to operate in 465 - 478 kHz for  
 Propagation testing  
 Fixed: Peotone (Will), IL
- **KOLLSMAN, INC. WI2XSP 0286-EX-CN-2016**  
 New experimental to in 4400.00 - 4650.00 MHz to operate Utilizing imaging system to further development of an application for a UAS.  
 Fixed & Mobile: Hillsboro (Traill), ND
- **LOCKHEED MARTIN CORPORATION WI2XRR 0299-EX-CN-2016**  
 New experimental to operate on 365.50 and 367.00 MHz to conduct test for Fury Unmanned Aircraft system.  
 Mobile: Vandenberg AFB (Santa Barbara), CA Max altitude 15000 ft
- **LOCKHEED MARTIN CORPORATION WI2XST 0097-EX-CN-2017**  
 New experimental to operate on frequencies between 1670.00 and 2375.00 MHz to conduct test for Fury Unmanned Aircraft system.  
 Mobile: Vandenberg AFB, CA. Within 30 nm of coordinates Max alt 15000 ft
- **MICROSOFT CORPORATION WI2XTQ 0136-EX-CN-2017**  
 New experimental to operate in 54.00 - 698.00 MHz to test sensors for White Space devices.  
 Mobile: Redmond, WA; Carnation, WA; Essex, NY
- **NAVSYS CORPORATION WI2XTG 0053-EX-CN-2017**  
 New experimental to operate on 1792 MHz for testing radios  
 Fixed & Mobile: Colorado Springs (El Paso), CO
- **PAUL N KELLEY WI2XTC 0126-EX-CN-2017**  
 New experimental to operate in 135.70 - 137.80 and 472.00 - 479.00 kHz for antenna and RF propagation studies.  
 Fixed: Milo (Piscataquis), ME
- **STRAIGHT PATH VENTURES, LLC WI2XTK 0065-EX-CN-2017**  
 New experimental to operate in 38.6-40 GHz for developing radios that can support 5G fixed and mobile services in the 39 GHz band.  
 Fixed: Plano (Collin), TX

- **UNIVERSITY OF COLORADO WI2XTN 0067-EX-CN-2017**  
New experimental to operate on 437 MHz  
For Cubesat testing  
Fixed & Mobile: Nongeostationary Space Orbit
- **VIASAT, INC. WI2XQD 0253-EX-CN-2016**  
New experimental to operate on frequencies between 1668.40 and 18000.00 MHz to test the performance of antennas.  
Fixed: Duluth (Gwinnett), GA
- **ZOLL CIRCULATION INC. WI2XSZ 0268-EX-CN-2016**  
New experimental to operate on 1575.42 MHz for testing radio navigation satellite service (RNSS) equipment.  
Fixed: San Jose (Santa Clara), CA