

PUBLIC NOTICE

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

News media information 202/418-0500

Released: February, 2017

Report No. 487 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 12/1/16 to 12/31/16:

- **AT&T SERVICES, INC. W12XNH 0021-EX-CN-2016**
New experimental to operate in 3550-3600 MHz for testing 5G equipment
Fixed: Cumming (Forsythe), GA; Atlanta (Fullerton), GA
- **BNSF RAILWAY CO. W12XPN 0187-EX-CN-2016**
New experimental to operate on 122.90 MHz for studying the innovative use of UAV.
Fixed: Mountainaire (Torrance), NM; Vaughn (Guadalupe), NM; Clovis (Curry), NM; Fort Sumner (De Baca), NM
- **BOEING COMPANY, THE W12XPD 0167-EX-CN-2016**
New experimental to operate in 902.00 - 928.00, 1370.00 - 1390.00, 2300.00 - 2310.00 and 2355.00 - 2482.00 MHz to provide flight demonstrations of a UAV system.
Mobile: 1,500 Foot Flight Level, Camp Atterbury, IN
- **CCO FIBERLINK, LLC W12XPJ 0142-EX-CN-2016**
New experimental to operate in selected bands between 24 GHz and 38 GHz for testing 5G technology
Fixed: Albany (Albany), NY; Charlotte (Mecklenburg), NC; Palm Harbor and Tarpon Springs (Pinellas), FL
- **C SPEED, LLC W12XPS 0081-EX-CN-2016**
New experimental to operate on 3 GHz for Radar testing
Fixed: Webb County, TX
- **CLARITY CONNECT, INC W12XOW 0083-EX-CN-2016**
New experimental to operate on 3.6 GHz for LTE testing
Fixed: Lansing (Tompkins), NY

- **COUNTY OF ONEIDA WI2XPC 0188-EX-CN-2016**
 New experimental to operate on 1030 MHz for UAS testing
 Fixed: Rome, Oriskany, Western, Steuben, Kirkland and Florence (Oneida), NY;
- **EXPRESS MANUFACTURING INCORPORATED WI2XRB 0222-EX-CN-2016**
 New experimental to operate on 1575.00 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Santa Ana (Orange), CA
- **FAIL-SAFE SOLUTIONS, LLC WI2XQH 0266-EX-CN-2016**
 New experimental to operate on 495.25 MHz, 645.25 MHz and 753.25 MHz for providing sensor testing and evaluation services for USSOCOM.
 Fixed: Braggs (Kay), OK
- **FLIR SYSTEMS WI2XOT 0146-EX-CN-2016**
 New experimental to operate on 1575.00 MHz for testing GPS.
 Fixed: Wilsonville (Clackamas), OR
- **GENERAL DYNAMICS WI2XQI 0541-EX-PL-2016**
 New experimental to operate in 3652.5-3697.5 MHz to test the Synthetic Battlefield Emitter System (SBES) suite radio communications.
 Fixed: Scottsdale and Phoenix (Maricopa), AZ
- **GOOGLE INC. WI2XNS 0539-EX-PL-2016**
 New experimental to operate in 3400-3700 MHz for propagation testing.
 Fixed & Mobile: Phoenix, AZ; Atwater, CA; Los Angeles, CA; Mountain View, CA; Palo Alto, CA; San Bruno, CA; San Francisco, CA; San Jose, CA; Boulder, CO; Tampa, FL; Atlanta, GA; Chicago, IL; Des Moines, IA; Kansas City, KS; Omaha, NE; Las Vegas, NV; New York, NY; Raleigh, NC; Oklahoma City, OK; Portland, OR; Austin, TX; Provo, UT; Blacksburg, VA; Reston, VA;
- **INTEL CORPORATION WI2XOJ 0149-EX-CN-2016**
 New experimental to operate in 3300.00 - 3700.00 MHz to test wireless devices.
 Fixed & Mobile: Chandler, AZ
- **INTELLECTUAL VENTURES MANAGEMENT, LLC WI2XPU 0199-EX-CN-2016**
 New experimental to operate in 5 and 24 GHz bands to test equipment.
 Fixed: Bellevue (King), WA
- **L-3 COMMUNICATIONS DATRON ADVANCED TECHNOLOGIES WI2XPK 0192-EX-CN-2016**
 New experimental to operate on 1.8 GHz To test equipment
 Fixed: Simi Valley (Ventura), CA
- **LIQUID ROBOTICS INC. WI2XNO 0084-EX-CN-2016**
 New experimental to operate in 2400 MHz band To support temporary integration testing.
 Fixed & Mobile: Waters West of Kona coast near Kawaihae Harbor, HI; Sunnyvale (Santa Clara), CA

- **LOCKHEED MARTIN CORPORATION W12XPO 0194-EX-CN-2016**
New experimental to operate on 900 MHz to test equipment
Fixed: Littleton (Jefferson), CO; Denver (Denver), CO
- **PENNSYLVANIA STATE UNIVERSITY W12XPT 0158-EX-CN-2016**
New experimental to operate on selected frequencies between 1-30 MHz for propagation testing
Fixed: University Park (Centre), PA
- **REGENTS OF UNIVERSITY OF CALIFORNIA W12XRA 0196-EX-CN-2016**
New experimental to operate on 433 MHz for research data collection.
Fixed: Lower Yuba River, CA
- **SPACE X W12XPL 0091-EX-CN-2016**
New experimental to operate on various frequencies between 2028.78 MHz and 2382.5 MHz to perform hardware and software development testing for SpaceX ground station equipment used in support of Falcon and Dragon development, to meet specific milestones for the Commercial Crew Transportation Contract, the Commercial Resupply Services Contract and to perform required RF checkouts on the Falcon 9 vehicle in production.
Fixed & Mobile: Hawthorne (Los Angeles), CA