

PUBLIC NOTICE

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

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

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Report No. 480 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 5/1/16 to 5/31/16:

- **ARCTURUS UAV W12XHL 0196-EX-PL-2016**
New experimental to operate in 902 – 928 MHz and 4.40 - 5.00 GHz for UAV testing
Mobile Within Camp Roberts restricted airspace R2504, Paso Robles (Monterey), CA
- **AT&T SERVICES, INC. W12XFM 0068-EX-PL-2016**
New experimental to operate in various bands between 3400 and 28500 MHz for testing 5G technology
Mobile Within 5 km radius of the base station, Austin (Travis), TX
- **BOEING COMPANY, THE W12XIL 0279-EX-PL-2016**
New experimental to operate on 1227.60 and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.
Fixed: Mesa (Maricopa), AZ
- **CACI TECHNOLOGIES, INC. W12XIW 0312-EX-PL-2016**
New experimental to operate on 1575 MHz to operate GPS reradiators
Fixed: Glen Burnie (Anne Arundel), MD
- **COBHAM ADVANCED ELECTRONIC SOLUTIONS INC. W12XIC 0256-EX-PL-2016**
New experimental to operate on spot frequencies between 1005 and 1301 MHz for antenna testing
Fixed: Lansdale (Montgomery), PA
- **DRS ADVANCED ISR, LLC W12XIE 0220-EX-PL-2016**
New experimental to operate in 1780 – 1795, 3155 – 3250, 4438 – 4650, 6765 – 6999, 10150 – 11170, 14350 – 14900, 29890 – 29910 kHz, and 20.01 - 20.09, 46.60 - 49.90, 148.00 - 149.90, 173.40 - 174.00, 454.00 - 455.00, 794.00 - 806.00, 940.00 - 941.00, 1670.00 - 1675.00, 2305.00 -

2310.00, 4800.00 - 4940.00, 5251.00 - 5349.00, 5461.00 - 5599.00 and 5651.00 - 5849.00 MHz for Equipment testing across these bands for direction finding equipment.
Mobile: At and Around Milford, NH

- **FAIL-SAFE SOLUTIONS, LLC W12XIN 0283-EX-PL-2016**
New experimental to operate in 2525.50 - 2665.50 MHz for testing LTE.
Mobile Inside confines of Camp Gruber, OK
- **FLIR RADARS INC. W12XIO 0282-EX-PL-2016**
New experimental to operate in 9300 – 9690 MHz for testing doppler ground surveillance radar.
Mobile Throughout the US
- **FUJITSU TEN CORPORATION OF AMERICA W12XIH 0260-EX-PL-2016**
New experimental to operate in 76 – 77 GHz for testing radar.
Mobile: Throughout the US
- **GENTGES, FRANK W12XIP 0248-EX-PL-2016**
New experimental to operate in 135.7-137.8 MHz and 472-479 MHz for antenna testing.
Fixed: Lovettsville (Loudoun), VA
- **GOOGLE INC. W12XJF 0224-EX-PL-2016**
New experimental to operate in 2502-2513 MHz to conduct demonstrations of experimental transmitters.
Fixed & Mobile: Redwood City and San Bruno (San Mateo), CA
- **HELIOS REMOTE SENSING SYSTEMS, INC. W12XJK 0363-EX-PL-2016**
New experimental to operate in 2400-2500 MHz for demonstration of Part 15 equipment.
Mobile: Rome, NY
- **INSITU W12XHD 0186-EX-PL-2016**
New experimental to operate in 5030 – 5040 MHz to support UAS command and control.
Fixed: Bingen, WA; Boardman, OR; Hood River, OR; Wasco (Butte), OR; Jackass Spring, OR; The Dalles Airport, WA
- **KONGSBERG UNDERWATER TECHNOLOGY, INC. W12XFF 0036-EX-PL-2016**
New experimental to operate in 5220 – 5240 MHz to test and demonstrate maritime broadband radio.
Mobile: Seattle, WA
- **KYMETA CORPORATION W12XIJ 0272-EX-PL-2016**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment.
Fixed: Redmond (King), WA
- **LOCKHEED MARTIN CORPORATION WH2XZF 0487-EX-PL-2015**
New experimental to operate on frequencies between 365.50 and 2500 MHz to test the Fury Unmanned Aerial Vehicle.
Fixed & Mobile: San Luis Obispo (San Luis Obispo), CA; Jolson (Monterey), CA
- **LOCKHEED MARTIN CORPORATION W12XFT 0150-EX-PL-2016**
New Experimental to operate in 8400 – 8450 MHz to perform Corona testing on a Mars lander antenna.
Fixed: Littleton (Jefferson), CO

- **NORTH DAKOTA DEPARTMENT OF COMMERCE - NORTHERN PLAINS UAS TEST SITE WI2XHT 0067-EX-PL-2016**
 New experimental to operate in 4400 – 4650 MHz for UAS testing
 Fixed & Mobile: Hillsboro (Traill), ND;
- **ORBITALATK WI2XHZ 0252-EX-PL-2016**
 New experimental to operate on 1.2 GHz and 1.5 GHz to test a GPS reradiator
 Fixed: Wallops Island (Accomack), VA
- **QUALCOMM TECHNOLOGIES, INC WI2XIK 0174-EX-PL-2016**
 New experimental to operate in 2900 – 3000 MHz to support research and development efforts for large broadband wireless technology.
 Mobile: New Brunswick, NJ
- **QUALCOMM TECHNOLOGIES, INC WI2XIV 0307-EX-PL-2016**
 New experimental to operate in 3560-3650 MHz to evaluate a downlink LTE system
 Fixed & Mobile: Philadelphia, PA; Burlington (Burlington), NJ
- **RAYTHEON IDS WI2XIQ 0294-EX-PL-2016**
 New experimental to operate in 4400 – 4420 and 4430 – 4900 MHz to conduct testing on unmanned surface vehicle.
 Fixed & Mobile: San Diego, CA
- **RAYTHEON SAS WI2XII 0273-EX-PL-2016**
 New experimental to operate in 2200 – 2310, 2390 – 2500, 4400 – 4990 MHz and 14.40 - 15.35 GHz for data link testing in S-Band, KU-Band, and C-Band.
 Fixed: Marlborough (Middlesex), MA
- **RLM COMMUNICATIONS, INC. WI2XIS 0299-EX-PL-2016**
 New experimental to operate on 710 and 713 MHz for testing and training in 700 MHz band.
 Fixed: Spring Lake (Cumberland), NC
- **RUCKUS WIRELESS, INC WI2XIB 0099-EX-PL-2016**
 New experimental to operate in 3400 – 3800 MHz for indoor test of an LTE technology.
 Fixed & Mobile: Operated indoor and outdoor at 350 West Java Drive, Sunnyvale (Santa Clara), CA
- **SAAB SENSIS CORPORATION WI2XGO 0074-EX-PL-2016**
 New experimental to operate on 1030 MHz and 1090 MHz for test, development, and demonstration of aeronautical radar.
 Mobile: East Syracuse (Onondaga), NY
- **SIRIUS XM RADIO INC. WI2XJC 0304-EX-PL-2016**
 New experimental to operate in 2324.244- 2328.256 MHz and 2336.225- 2341.285 MHz to research, experiment with, and test the feasibility of a new low power terrestrial repeater.
 Fixed & Mobile: New York City, NY; Boston, MA; Chicago, IL; Los Angeles, CA; San Diego, CA; San Francisco, CA
- **SYSTEMS & TECHNOLOGY RESEARCH WI2XGL 0004-EX-PL-2016**
 New experimental to operate in 8100-9000 MHz and 9200-10000 MHz for a DARPA radar development project.
 Mobile: Plano, TX: On L-3 Mustang premises.

- **SYSTEMS & TECHNOLOGY RESEARCH W12XGM 0020-EX-PL-2016**
New experimental to operate in 8100-9000 MHz and 9200-10000 MHz for a DARPA radar development project.
Mobile: Plano, TX: On L-3 Mustang premises.
- **T-MOBILE LICENSE LLC W12XHR 0227-EX-PL-2016**
New experimental to operate in 27.50 - 28.35, 37.00 - 38.60, 38.60 - 40.00 GHz for testing 5G technology.
Fixed & Mobile: Bellevue, WA; Bothell, WA
- **TEXTRON AVIATION, INC. W12XIG 0257-EX-PL-2016**
New experimental to operate in 16.20 - 17.25 GHz for testing radar antennas.
Mobile Flight 16000 ft MSL, Wichita, KS