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 WI2XHL 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. WI2XFM 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 WI2XIL 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. WI2XIW 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. WI2XIC**

**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 WI2XIE 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 WI2XIN 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. WI2XIO 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 WI2XIH 0260-EX-PL-2016**

New experimental to operate in 76 – 77 GHz for testing radar.

Mobile: Throughout the US

* **GENTGES, FRANK WI2XIP 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. WI2XJF 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. WI2XJK 0363-EX-PL-2016**

New experimental to operate in 2400-2500 MHz for demonstration of Part 15 equipment.

Mobile: Rome, NY

* **INSITU WI2XHD 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. WI2XFF 0036-EX-PL-2016**

New experimental to operate in 5220 – 5240 MHz to test and demonstrate maritime broadband radio.

Mobile: Seattle, WA

* **KYMETA CORPORATION WI2XIJ 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 WI2XFT 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 WI2XGM 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 WI2XHR 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. WI2XIG 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