

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 432 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 8/1/10 to 10/1/10:

- **WF2XMP ROCKWELL COLLINS, INC. 0335-EX-PL-2010**
New experimental to operate in various frequency bands between 2398 and 29720 kHz to define waveforms for high speed data over HF.
Fixed: Cedar Rapids (Linn), IA; Oxford Junction (Clinton), IA; Richardson (Collin), TX; Las Cruces (Dona Ana), NM
- **WF2XNF HARRIS CORPORATION 0312-EX-PL-2010**
New experimental to operate on various HF frequencies between 3171 and 14,550 kHz for testing of a new wideband waveform to allow faster data transfer.
Fixed: Rochester (Monroe), NY; Oneida (Oneida), NY; Palm Bay (Brevard), FL; Las Cruces (Dona Ana), NM
- **WF2XLY WILLIAM BRISTOW 0187-EX-PL-2010**
New experimental to operate in multiple bands between 8 MHz and 19.99 MHz to conduct research studies of the SuperDARN radar network.
Fixed: King Salmon, AK
- **WF2XMO RAYTHEON NETWORK CENTRIC SYSTEMS 0360-EX-PL-2010**
New experimental to operate in 30.025 - 74.600 MHz to evaluate the capability for Nett-Warrior Communications System.
Mobile McKinney (Collin), TX
- **WF2XOM UNIVERSAL AVIONICS SYSTEMS CORPORATION 0417-EX-PL-2010**
New experimental to operate on 131.55, 136.85 and 136.975 MHz for flight test of a VHF data radio.
Mobile: within the Continental United States, AK and HI
- **WF2XMN MOTOROLA, INC. 0273-EX-PL-2010**
New experimental to operate in bands between 144.10 and 868.9875 MHz for Antenna testing
Fixed: Windham, ME
- **WF2XME EFW, INC. 0284-EX-PL-2010**
New experimental to operate on 161.975 MHz and 162.025 MHz for testing a marine AIS system
Mobile: Fort Worth, TX
- **WF2XJG ANDREW SOLUTIONS A COMMSCOPE COMPANY 0022-EX-PL-2010**
New experimental to operate in multiple bands between 173.40 MHz and 2690.00 MHz to operate an antenna test range
Fixed: Richardson (Collins), TX; Joliet, IL

- **WF2XMX CALIFORNIA, STATE OF 0341-EX-PL-2010**
New experimental to operate on 401.9575 MHz to conduct weather research
Fixed: Dobbins (Yuba), CA
- **WF2XMY CALIFORNIA, STATE OF 0342-EX-PL-2010**
New experimental to operate on 401.9575 MHz to conduct weather research
Fixed: Castaic (Los Angeles), CA
- **WF2XMZ CALIFORNIA, STATE OF 0343-EX-PL-2010**
New experimental to operate on 401.9575 MHz to conduct weather research
Fixed: Cordelia (Solano), CA
- **WF2XNB CALIFORNIA, STATE OF 0345-EX-PL-2010**
New experimental to operate on 401.9575 MHz to conduct weather research
Fixed: Oozier (Solano), CA
- **WF2XNC CALIFORNIA, STATE OF 0346-EX-PL-2010**
New experimental to operate on 401.9575 MHz to conduct weather research
Fixed: Byron (Contra Costa), CA
- **WE2XML LOCKHEED MARTIN CORPORATION 0364-EX-PL-2010**
New experimental to operate in 420-450 MHz for testing a counter fire target acquisition and tracking radar under contract
Mobile: Syracuse (Onondaga), NY
- **WF2XLX RAYTHEON MISSILE SYSTEMS 0306-EX-PL-2010**
New experimental to operate in 430 – 440 MHz and 902 – 928 MHz to develop an interference-resistant command and control radio transmissions that makes the use of products more secure and effective.
Fixed: Tucson (Pima), AZ
- **WF2XNU ABBOTT DIABETES CARE 0378-EX-PL-2010**
New experimental to operate on 433 MHz for equipment testing
Mobile: within 80 km of a clinic at 2255 Ygnacio Valley Rd., Walnut Creek, CA
- **WF2XNV ABBOTT DIABETES CARE 0379-EX-PL-2010**
New experimental to operate on 433 MHz for equipment testing
Mobile: within 80km of 723 Southwest 10th Street, Suite 100 Renton, WA,
- **WF2XMK AAI / TEXTRON SYSTEMS CORPORATION 0261-EX-PL-2010**
New experimental to operate on 434.325 MHz and 2250 MHz for testing the Orbiter Small-Unmanned Aircraft system.
Mobile: Wallops (Accomack), VA; Blackstone (Nottoway), VA; Yuma (Yuma), AZ; Lexington Park (St. Marys), MD; New Hanover (Burlington), NJ
- **WF2XMF SPECTRUMBRIDGE, INC 0348-EX-PL-2010**
New experimental to operate in 470 – 698 MHz for white space testing for applications by utilities.
Fixed: Logan (Hocking), OH
- **WF2XMS ALCATEL-LUCENT 0318-EX-PL-2010**
New experimental to operate in 698 – 722 MHz and 723 – 757 MHz for testing LTE equipment
Fixed & Mobile: Naperville (DuPage), IL
- **WF2XMB ALAMEDA CTY SHERIFF'S OFFICE ON BEHALF OF SAN FRANCISCO BAY AREA URBAN Area 0313-EX-PL-2010**
New experimental to operate in 763-768 MHz to test LTE equipment
Fixed & Mobile: Sunnyvale (Santa Clara), Oakland (Alameda), San Francisco (San Francisco), Martinez (Contra Costa) and Santa Clara (Santa Clara), CA

- **WF2XNI DIELECTRIC COMMUNICATIONS 0393-EX-PL-2010**
New experimental to operate in 824 – 849, 869 – 894, 1920 – 1980 and 2110 – 2170 MHz for antenna testing
Mobile: Columbia (Richland), SC
- **WF2XNJ DIELECTRIC COMMUNICATIONS 0394-EX-PL-2010**
New experimental to operate in 824 – 849, 869 – 894, 1920 – 1980 and 2110 – 2170 MHz for antenna testing
Mobile: Florence (Darlington), SC
- **WF2XMJ SHARED SPECTRUM COMPANY 0329-EX-PL-2010**
New experimental to operate in 902 – 928, 1755 – 1850, 2400 - 2483.50, 4400 – 4900 and 5650 – 5925 MHz for wireless network testing
Mobile Vienna (Fairfax), VA
- **WF2XNG RAYTHEON SYSTEMS CO. 0387-EX-PL-2010**
New experimental is to operate on 915 and 925 MHz for testing and developing export equipments used in intelligent highway systems.
Mobile: Fullerton, CA
- **WF2XLW COMMLABS, INC. 0268-EX-PL-2010**
New experimental to operate on 926.50 MHz and 927.00 MHz for equipment testing
Mobile: Temporary fixed transmitters will be located in Santa Clara, San Mateo and San Francisco Counties in California
- **WF2XJZ GENERAL DYNAMICS 0165-EX-PL-2010**
New experimental to operate on 1227.6 MHz and 1575.42 MHz using GPS re-radiator for testing of GPS receivers integrated into land warrior systems under US Army contract.
Fixed: Scottsdale (Maricopa), AZ
- **WF2XLR RAYTHEON MISSILE SYSTEMS 0198-EX-PL-2010**
New experimental to operate in 1370 – 1390 MHz for Testing of the free-wave radios on an aircraft.
Mobile: Tucson (Pima), AZ
- **WF2XKR MARTIN BROTHERS DISTRIBUTING COMPANY INC. 0138-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Cedar Falls (Black Hawk), IA
- **WF2XLO ORBITAL SCIENCES CORPORATION 0203-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Chandler (Maricopa), AZ
- **WF2XOT ORBITAL SCIENCES CORPORATION 0207-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Chandler (Maricopa), AZ
- **WF2XOU ORBITAL SCIENCES CORPORATION 0208-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Chandler (Maricopa), AZ
- **WF2XML UNIVERSITY OF MISSISSIPPI 0293-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: University (Lafayette), MS
- **WF2XNR BELL HELICOPTER TEXTRON 0402-EX-PL-2010**
New experimental to operate in 2200.50 - 2299.50 MHz to operate flight test data telemetry.
Mobile: Arlington (Tarrant), TX

- **WF2XMW COLUMBIA UNIVERSITY 0354-EX-PL-2010**
New experimental to operate in 2535 – 2540 MHz to conduct a Wimax network research project
Fixed: New York, NY
- **WF2XNX RAYTHEON IDS 0416-EX-PL-2010**
New experimental to operate in 3101 – 3399 MHz to test a prototype radar system
Fixed: Andover (Essex), MA
- **WF2XNW HARRIS CORPORATION 0311-EX-PL-2010**
New experimental to operate in 4940 -4990 MHz to provide application support and further testing for fielded equipment in connection with the development efforts pursuant to the United States Army for the Warfighter Information Network - Tactical ("WIN-T") and Future Combat Systems ("FCS") programs.
Fixed: Palm Bay (Brevard), FL
- **WF2XNE FORTRESS TECHNOLOGIES 0382-EX-PL-2010**
New experimental to operate in 4942.5 – 4987.5 MHz for testing of radios.
Mobile Westford (Middlesex), MA.
- **WF2XNY DRS TACTICAL SYSTEMS, INC. 0414-EX-PL-2010**
New experimental to operate in 4940 - 4990 mHz to provide application support and further testing for the equipment in connection with the development efforts on the Gateway system used in the XChange product.
Mobile: Melbourne (Brevard), FL
- **WF2XKO GUSA LICENSEE LLC 0026-EX-PL-2010**
New experimental to operate in 5091-5250 MHz for testing ground network equipment for the Globalstar satellite system.
Fixed: Milpitas (Santa Clara), CA
- **WF2XNO THE BOEING COMPANY 0391-EX-PL-2010**
New experimental to operate in 9225 – 9230 MHz for testing and demonstrations of an X-band radar.
Mobile: area bounded by 39-52-28N 75-12-50W; 39-52-12N 75-19-22W; 39-49-34N 75-23-1W; 39-50-55N 75-17-19W, Ridley Park, PA
- **WF2XNS BOWLING GREEN STATE UNIVERSITY 0399-EX-PL-2010**
New experimental to operate in 9300 – 9500 MHz to conduct research and testing marine radar performance for tracking bird and bat.
Mobile Wood ,Lucas, Ottawa and Erie Counties, OH
- **WF2XNK LOCKHEED MARTIN CORPORATION 0390-EX-PL-2010**
New experimental to operate in 9595 - 9750 MHz for ground data link testing
Mobile: Goodyear [Maricopa], AZ
- **WF2XNL THE BOEING COMPANY 0398-EX-PL-2010**
New experimental to operate in 16200 - 17200 MHz for testing and demonstrations of Ku- band radar for suitability of ground surveillance applications.
Fixed: Ridley Park, PA
- **WF2XNN BRIDGEWAVE COMMUNICATIONS, INC. 0327-EX-PL-2010**
New experimental to operate in 21200 – 21350 MHz for testing radios links performance.
Fixed: Santa Clara (Santa Clara), and Milpitas, CA
- **WF2XND THE BOEING COMPANY 0376-EX-PL-2010**
New experimental to operate in 29 – 31 GHz for testing Ka-band phased array satellite system.
Fixed: Kent, WA; Huntington Beach, CA
- **WF2XNT SET CORPORATION 0408-EX-PL-2010**
New experimental to operate on 35.75 GHz for testing for an Air Force research lab
Mobile: Denver, CO

- **WF2XMR FUJITSU TEN LIMITED 0365-EX-PL-2010**
New experimental to in 76 – 77 GHz for testing radar's performance for safe driving assistance systems.
Mobile: Columbus, Ohio
- **WF2XMT THE AEROSPACE CORPORATION 0328-EX-PL-2010**
New experimental to operate in 92.05 - 92.05 GHz for testing radar
Fixed: El Segundo (Los Angeles), CA