

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. 409 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 11/1/07 to 12/1/07:

- **WD2XVL BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0298-EX-PL-2005**
New experimental to operate on various bands between 850 kHz and 26 GHz for testing for military contracts.
Fixed: Litchfield (Hillsborough), NH
- **KC2XAJ MOTOROLA, INC., (ENGINEERING SUPPORT SERVICES) 0193-EX-PL-2007**
New experimental to operate on various frequencies between 25.01 MHz and 940 MHz for testing and demonstrating land mobile radio equipment to potential customers.
Mobile: Nationwide
- **WE2XKG CORNELL UNIVERSITY 0061-EX-PL-2007**
New experimental to operate on 29.795 MHz for testing radar.
Fixed: Kingshill, VI
- **KQ2XIU MOTOROLA, INC. 0186-EX-PL-2007**
New experimental to operate on select frequencies and bands between 45.18 MHz and 869.9875 MHz for development of land mobile equipment.
Mobile: Fort Lauderdale, FL
- **WE2XBN ADVANCED NAVIGATION & POSITIONING CORP. 0237-EX-PL-2006**
New experimental to operate on 108.35 MHz, 333.95 MHz, 1030.00 MHz and 1090.00 MHz for Transponder Landing System testing.
Fixed: Dallesport, WA
- **WE2XJE CONSTELLATION GENERATION GROUP, LLC 0509-EX-PL-2007**
New experimental to operate in select bands between 150 MHz and 806 MHz for evaluating communications inside and around a nuclear reactor.
Mobile R. E. Ginna Nuclear Power Plant, Ontario (Wayne), NY, primarily indoor use
- **WE2XKL FLORIDA POWER AND LIGHT COMPANY 0575-EX-PL-2007**
New experimental to operate in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
Mobile: Two Creeks, WI
- **WE2XKV CENTER FOR SEVERE WEATHER RESEARCH 0567-EX-PL-2007**
New experimental to operate on 151.70 MHz, 151.76 MHz, 151.82 MHz, 151.94 MHz and 163.10 MHz for testing communications between weather research vehicles for a severe weather and weather radar study.
Mobile: Nationwide

- **KQ2XTQ MOTOROLA, INC 0188-EX-PL-2007**
 New experimental to operate using select frequencies in 152.84-159.42 MHz, 451.65 MHz, 806.2625-860.765 and 929-932 MHz bands for propagation testing of land mobile radio equipment.
 Fixed: Fort Lauderdale (Broward), FL
- **WE2XKZ NEW MEXICO, STATE OF 0245-EX-PL-2007**
 New experimental to operate on 401.9125 MHz for GOES satellite use for collection of environmental data.
 Fixed: Within county of Grant, NM;
- **WE2XKD AJ MEDICAL DEVICES 0030-EX-PL-2007**
 New experimental to operate on 403.50 MHz for testing Medical Implant Communications Services (MICS) devices.
 Mobile: Within the states of IL and MN
- **WE2XKS WIRELESS BEEHIVE MANUFACTURING LLC 0569-EX-PL-2007**
 New experimental to operate in 494-506 MHz for testing the device to identify UHF broadcast channels and broadband service.
 Fixed: Erda (Tooele), UT
- **KA2XZB MOTOROLA, INC. 0192-EX-PL-2007**
 New experimental to operate in 806-822 MHz and 851-867 MHz for testing iDEN (ESMR) phones and public safety radio equipment.
 Mobile: Fort Lauderdale (Broward), FL
- **WE2XLS HARRIS CORPORATION 0646-EX-PL-2007**
 New experimental to operate in 851-870 MHz, 869-894 MHz and 1930-1990 MHz for use by state and local law enforcement entities to perform surveillance.
 Mobile: Nationwide
- **WE2XKM COPPER VALLEY WIRELESS, INC. 0257-EX-PL-2007**
 New experimental to operate on 881.53 MHz and 882.75 MHz for testing cellular service.
 Mobile: Chitina, AK
- **WE2XKI NAVSYS CORPORATION 0166-EX-PL-2007**
 New experimental to operate in 902-928 MHz for testing equipment for use in the Robust Surface Navigation program.
 Mobile: Colorado Springs (El Paso), CO
- **WE2XKE M/A-COM, INC. 0468-EX-PL-2007**
 New experimental to operate in 935-940 MHz and 1850-1990 MHz for testing new wireless telecommunication equipment for the public safety sector.
 Fixed & Mobile: Lowell (Middlesex), MA
- **WE2XDU GARMIN INTERNATIONAL 0014-EX-PL-2007**
 New experimental to operate on 1030 MHz for development of a Traffic Advisory System and Traffic Alert and Collision Avoidance System.
 Fixed: Olathe (Johnson), KS
- **WE2XIJ INTEL CORPORATION 0442-EX-PL-2007**
 New experimental to operate on 1575.42 MHz for testing GPS equipment.
 Fixed: Hillsboro (Washington), OR
- **WE2XLK RAYTHEON COMPANY 0527-EX-PL-2007**
 New experimental to operate in 1792.50-1797.50 MHz for testing mobile broadband wireless access.
 Mobile: Sacramento, CA
- **WE2XKF TURNER BROADCASTING SYSTEM, INC. 0539-EX-PL-2007**
 New experimental to operate in 1905-1910 MHz, 1920-1930 MHz, 1925-1930 MHz, 1985-1990 MHz and 2110-2120 MHz for investigating the feasibility of content delivery via existing and emerging wireless platforms
 Fixed: Atlanta (Fulton), GA

- **WE2XKX REDCOM LABORATORIES, INC. 0585-EX-PL-2007**
New experimental to operate in 1920-1980 MHz for testing of a point-to-multipoint wireless local loop (WLL) system.
Fixed: Victor (Ontario), NY
- **WE2XKK BECEEM COMMUNICATIONS INC. 0247-EX-PL-2007**
New experimental to operate in 2345-2360 MHz for equipment testing.
Mobile: Santa Clara, CA
- **WE2XKP NORTHROP GRUMMAN SYSTEMS CORPORATION 0332-EX-PL-2007**
New experimental to operate in 2360-2390 MHz for testing equipment for the Multi-Platform Radar Technology Insertion Program under Air Force contract.
Mobile: maximum altitude: 0 to 40,000 feet MSL, Mojave (KERN), CA
- **WE2XKC VIRTUEPLAY, INC. 0434-EX-PL-2007**
New Experimental to operate in 2400-2483.5 MHz to test low-power devices.
Mobile: Around VirtuePlay labs, Los Angeles, CA
- **WE2XKB CISCO SYSTEMS 0444-EX-PL-2007**
New experimental to operate in 2500-2689 MHz for testing WiMAX.
Mobile: Cisco Campus, San Jose, CA
- **WE2XLT THE BOEING COMPANY 0282-EX-PL-2007**
New experimental to operate on 3616 MHz and 3618 MHz for testing satellite components in an anechoic chamber.
Fixed: El Segundo (Los Angeles), CA
- **WE2XLB RAYTHEON COMPANY 0492-EX-PL-2007**
New experimental to operate in 9200-9300 MHz for testing a ground tracking Doppler radar.
Fixed: McKinney (Collin), TX
- **WD2XZE RAYTHEON ELECTRONICS SYSTEMS 0240-EX-PL-2006**
New experimental to operate in various bands between 0.1-60 GHz for laboratory testing of various antennas under U.S. Navy contract.
Fixed: El Segundo (Los Angeles), CA
- **WE2XKJ ANYWARE NETWORK SOLUTIONS 0177-EX-PL-2007**
New experimental to operate in 5.40-5.725 GHz for testing a radio system to evaluate the RF propagation characteristics and quantify actual reliability of the NLOS radios.
Fixed: Loveland (Larimer), CO
- **WE2XLJ THINKOM SOLUTIONS INC. 0347-EX-PL-2007**
New experimental to operate in 14-14.5 GHz to demonstrate Satcom-on-the-move.
Mobile: Continental United States, except within 125 km of White Sands, NM
- **WE2XJZ LOCKHEED MARTIN CORPORATION 0500-EX-PL-2007**
New experimental to operate in 14.0-14.5 GHz for demonstrating a Proof-of Concept satellite communication-on-the-move system by using an 18" motion-stabilized Ku-band antenna communicating with fixed 2.4 meter Ku-band antenna.
Fixed & Mobile: Temporary fixed locations in: Sunnyvale (SANTA CLARA), CA; Gaithersburg, MD; Clarksburg, MD; Suffolk, VA; Fort Worth, TX
- **WE2XFI ROCKWELL COLLINS, INC. 0617-EX-PL-2006**
New experimental to operate on 16.95 GHz for testing and demonstrating of synthetic aperture radar.
Mobile 100 mile radius of Cedar Rapids (Linn), IA and Albuquerque (Bernarlillo), NM
- **WE2XKO CINCINNATI TECHNOLOGIES, LTD. 0210-EX-PL-2007**
New experimental to operate in 34.6-34.8 GHz for testing Stalker Speed Sensors in various applications pertaining to traffic safety at railroad crossings.
Mobile: On public and private roadways in Mason, OH