

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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## Report No. 446                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 8/1/12 to 2/1/13:

- **WG2XDE    The Boeing Company    0084-EX-PL-2012**  
New experimental to operate in 0.001 - 74600.00 kHz and 75.40 - 100.00 MHz to conduct testing to validate the lightning protection design on the 747-8 airframe.  
Fixed: San Antonio (Bexar), TX
- **WG2XHC    Raytheon Company    0298-EX-PL-2012**  
New experimental to transmit on multiple frequencies between 14 kHz and 18000 MHz for evaluation of shielded enclosures using IEEE STD 299-1997.  
Fixed: Saint Petersburg and Largo (Pinellis), FL
- **WG2XJM    Tichansky, Eric    0472-EX-PL-2012**  
New experimental to operate in 135.70 - 137.80 kHz, 160.00 - 190.00 kHz, 460.00 - 480.00 kHz and 495.00 - 515.00 kHz to research radio wavelengths.  
Mobile: Saegertown, PA
- **WG2XLP    Hugh P. Bunn, PE    0610-EX-PL-2012**  
New experimental to operate in 135.70 - 137.80 kHz for research to develop class E transmitting equipment and propagation studies.  
Fixed: Spartanburg, SC
- **WG2XKA    John William Molnar    0511-EX-PL-2012**  
New experimental to operate in 460 kHz – 490 kHz for experiments in Compact Low Frequency Antenna Design  
Fixed: Benson (Rutland), VT
- **WG2XIQ    John D Langridge    0435-EX-PL-2012**  
New experimental to operate in 465 – 478 kHz to test antennas and equipment.  
Fixed: Duncanville (Dallas), TX
- **WF2XZM    Bollinger Shipyards, Inc.    0496-EX-PL-2011**  
New experimental to operate in frequency bands between 1500 kHz and 14.50 GHz for testing communication equipment.  
Mobile: Within 12 NM of Grand Isle, LA

- **WG2XHP THE BOEING COMPANY 0397-EX-PL-2012**  
 New experimental to operate in 2000 – 30000 kHz to conduct High Frequency (HF) radio selection tests and EMC testing.  
 Fixed: Fort Walton Beach, FL; Oklahoma City, OK
- **WG2XLB Raytheon Network Centric Systems 0591-EX-PL-2012**  
 New experimental to operate on 11,125 kHz, 11,145 kHz, 11,615 kHz and 11,635 kHz to operate microwave equipment.  
 Fixed: Las Cruces (Dona Ana), NM
- **WG2XJB DRS ICAS, LLC 0413-EX-PL-2012**  
 New experimental to operate in 14350 – 14900 kHz, 29890 – 29910 kHz, 46.60 - 49.90 MHz, 148.00 - 149.90 MHz, 173.40 - 174.00 MHz and 454.00 - 455.00 MHz for radio testing.  
 Fixed & Mobile: Ft. Walton Beach, FL
- **KC2XAJ Motorola Solutions, Inc. 0373-EX-PL-2012**  
 New experimental to operate on various frequencies from 25.01-940 MHz for testing and demonstrating land mobile radio equipment to potential customers.  
 Mobile: Within the Continental United States, AK and HI
- **WG2XFS The Boeing Company 0186-EX-PL-2012**  
 New experimental to operate in 30 – 65 MHz, 800 – 960 MHz and 1160 – 1290 MHz for testing antennas.  
 Fixed: St. Charles (St. Charles), MD
- **WG2XLF Exelis Inc 0559-EX-PL-2012**  
 New experimental to operate in selected bands between 30-87 MHz for Radio testing and demonstrations.  
 Mobile: Columbia City, IN
- **WG2XKD Pennsylvania State University 0509-EX-PL-2012**  
 New experimental to operate on 49.80 MHz for meteor research.  
 Fixed: Pine Grove Mills (Centre), PA
- **WG2XHQ Metric Systems Corporation 0392-EX-PL-2012**  
 New experimental to operate in 54 – 698 MHz for White spaces testing.  
 Mobile: Vista, CA
- **WF2XYK THE BOEING COMPANY 0478-EX-PL-2011**  
 New experiment to operate on select frequencies between 119.025 MHz and 1150 MHz to conduct intra-system EMC testing on any HBC 300/350 aircraft.  
 Fixed: Summit, DE
- **WG2XKB The Boeing Company 0526-EX-PL-2012**  
 New experimental to operate on 123.025 MHz, 128.85 MHz, 136.50 MHz and 136.60 MHz to conduct communications data, voice, and EMI/EMC test of aircraft communications systems.  
 Mobile: Wichita, KS
- **WG2XJO The Boeing Company 0490-EX-PL-2012**  
 New experimental to operate on various frequencies between 138.25 MHz and 161.125 MHz for testing P-8I Aircraft production.  
 Mobile: Washington State Coastal Waters, WA
- **WG2XIC Lilee Systems, Ltd. 0405-EX-PL-2012**  
 To support Positive Train Control (PTC) mandated by FRA in band 217-222 MHz.  
 Fixed: Orinda and Bay Point (Contra Costa), CA

- **WG2XIB Lilee Systems, Ltd. 0404-EX-PL-2012**  
 To support Positive Train Control (PTC) mandated by FRA in band 217-222 MHz.  
 Fixed: Colma (San Mateo), CA
- **WG2XIA Lilee Systems, Ltd. 0403-EX-PL-2012**  
 New experimental to operate in 217-222 MHz To support Positive Train Control (PTC) mandated by FRA  
 Fixed: Los Altos and San Jose (Santa Clara), CA
- **WG2XHZ Lilee Systems, Ltd. 0383-EX-PL-2012**  
 New experimental to operate in 217-222 MHz to support Positive Train Control (PTC) mandated by FRA.  
 Fixed: Oakland and Pleasonton (Alameda), CA
- **WG2XGD The Boeing Company 0278-EX-PL-2012**  
 New experimental to operate on 235.60 MHz, 239.575 MHz, 346.45 MHz and 357.40 MHz Testing  
 communications package for Unmanned Aerial Vehicle applications.  
 Mobile: 15,000 foot flight level, Boardman, OR
- **WG2XFW BAE Systems TSS Inc. 0239-EX-PL-2012**  
 New experimental to operate in 249 – 270 MHz, 292 – 312 MHz, 3.70 - 4.20 GHz, 5.85 - 6.425 GHz, 7.25 -  
 7.75 GHz and 7.90 - 8.40 GHz for testing communications systems for the USS independence class of littoral  
 combat ship.
- **WG2XFY Cosmogia Inc. 0100-EX-PL-2012**  
 New experimental to operate on frequencies between 400 MHz and 8 GHz for Cubesat testing.  
 Mobile: Nadir pointing on a cubesat in elliptical LEO orbit (290 km x 575 km) in Space
- **WG2XEB The Boeing Company 0128-EX-PL-2012**  
 New experimental to operate in frequency bands between 400 MHz and 26000 MHz to measure RF propagation  
 within wing box to determine power distribution.  
 Fixed: Seattle (King), WA
- **WG2XKX Cosmogia Inc. 0551-EX-PL-2012**  
 New experimental to operate on 400 MHz and 8 GHz for Cubesat operation.  
 Mobile: Nongeostationary orbits, Space
- **WG2XKM SpaceX 0366-EX-PL-2012**  
 New experimental to operate on 400.5, 2040.5675, 2205.5, 2215.727 - 2216.273, 2216 and 2231.5 MHz to  
 conduct complete end-to-end radiated testing of a flight vehicle's communication system prior to shipment to  
 the launch facility.  
 Mobile: Hawthorne, CA - Mobile within the SpaceX factory
- **WG2XMD Blue Origin 0635-EX-PL-2012**  
 New experimental to operate on 401.20 MHz and 401.80 MHz To conduct flight testing an autonomous rocket  
 propelled space launch vehicle.  
 Mobile: Flight 400,000 feet AGL, Van Horn (Culberson), TX
- **WG2XGI Panasonic Avionics Corporation 0234-EX-PL-2012**  
 New experimental to operate in frequency bands between 410.00 MHz and 5825.00 MHz fpr ground testing  
 onboard aircraft communications systems.  
 Mobile: Temporary Fixed, Aircraft on the Ground, Lake City (Columbia), FL; Tampa (Hillsborough), FL
- **WG2XKZ General Dynamics C4 Systems 0518-EX-PL-2012**  
 New experimental in 415.1-415.3 and 420.1-420.3 MHz to demonstrate the capabilities of a prospective  
 communications system to Federal, State, and Local Public Safety organizations.  
 Fixed: Scottsdale, AZ

- **WG2XLK Lockheed Martin Corporation 0599-EX-PL-2012**  
 New experimental to operate in 420-450 MHz to test low frequency sensor radar.  
 Mobile: Syracuse, NY
- **WG2XKY Rockwell Collins, Inc. 0580-EX-PL-2012**  
 New experimental to operate in 420-450 MHz to test soldier radio waveform.  
 Mobile: Cedar Rapids, IA
- **WG2XJL Raytheon Network Centric Systems 0483-EX-PL-2012**  
 New experimental to operate in 420 – 450 MHz to develop and demonstrate a high speed data gateway radio system.  
 Mobile: McKinney, Texas
- **WG2XIW Raytheon Network Centric Systems 0438-EX-PL-2012**  
 New experimental to operate in 420-450 MHz to test a communication system  
 Mobile: Fullerton, CA
- **WG2XIG Raytheon Network Centric Systems 0387-EX-PL-2012**  
 New experimental to operate in 420 – 450 MHz and 928 – 940 MHz to provide command and control Communications during the San Bernardino Sheriff Demonstration exercise  
 Mobile: San Bernardino, CA
- **WG2XLQ SRC, Inc 0561-EX-PL-2012**  
 New experimental to operate on 435 MHz to conduct RF signature experiments.  
 Fixed & Mobile: Syracuse (Onondaga), NY
- **WG2XLU Colorado Satellite Services, LLC 0605-EX-PL-2012**  
 New experimental to operate in 437.49 - 437.51 MHz for testing radios for use in cubesats.  
 Fixed: Parker (Elbert), CO
- **WG2XLY WLS Television, Inc. 0504-EX-PL-2012**  
 New experimental on 450.0875, 450.3875, 450.5875, 455.0875, 455.15 and 455.5875 MHz to test a digital system in the high noise urban environment typical in the broadcast news service.  
 Fixed & Mobile: Chicago (Cook), IL
- **WG2XIX Scripps Media, Inc. 0419-EX-PL-2012**  
 New experimental to operate on 450.1625 MHz, 450.4875 MHz, 455.1625 MHz and 455.4875 MHz for WFTS Motorola Mototrbo radios testing  
 Fixed & Mobile: Riverview and Tampa (Hillsborough), FL
- **WG2XLD Spectrum Bridge Inc. 0520-EX-PL-2012**  
 New experimental to operate in 470 - 488 and 512 - 530 MHz for the purpose of verifying the viability of White Space technology for use in agricultural production.  
 Fixed: Wasco (Kern), CA
- **WG2XJW TV Band Services LLC 0505-EX-PL-2012**  
 New experimental to operate in 470 MHz – 608 MHz and 614 – 698 MHz for White Space bed testing  
 Fixed & Mobile: Wilmington (New Hanover), NC
- **WG2XJF MEOW Global Networks, Inc. 0421-EX-PL-2012**  
 New experimental to operate in 518 – 524 MHz and 530 – 536 MHz for White Spaces testing.  
 Fixed & Mobile: San Francisco and Mountain View, CA

- **WG2XGS Wichita State Univ. - National Institute for Aviation Research 0311-EX-PL-2012**  
 New experimental to operate in various bands between 540 kHz to 18 GHz for testing ability of aircraft to shield against high intensity radiated fields.  
 Mobile: Wichita (Sedgwick), KS
- **WG2XFT The Boeing Company 0191-EX-PL-2012**  
 New experimental to operate in 614 – 810 MHz, 1300 – 1350 MHz, 1390 – 1430 MHz and 1610 – 1755 MHz for testing antennas.  
 Fixed: St. Charles (St. Charles), MD
- **WG2XHB Landover Wireless Corp. 0334-EX-PL-2012**  
 New experimental to operate in 681 – 691 MHz to demonstrate and test of an LTE based eNodeB transmission equipment  
 Fixed & Mobile: Columbia (Boone), MD
- **WG2XIT Oceus Networks 0416-EX-PL-2012**  
 New experimental to operate in various bands between 698 and 2155 MHz for demonstrations of 3G and 4G technology.  
 Mobile: Ft Benning, Georgia
- **WG2XIM Cassidian Communications 0388-EX-PL-2012**  
 New experimental to operate on 700 MHz for testing LTE equipment.  
 Mobile: Tampa (Hillsborough), FL
- **WG2XHH QUALCOMM Incorporated 0357-EX-PL-2012**  
 New experimental to operate in 704 – 716 MHz, 824 – 849 MHz, 1710 – 1755 MHz and 1850 – 1910 MHz to test 3G/4G devices.  
 Mobile: Within the Continental United States, AK and HI
- **WG2XIY Oceus Networks 0424-EX-PL-2012**  
 New experimental to operate in 704-716 MHz and 734-746 MHz for demonstration of 4G equipment.  
 Fixed & Mobile: Gila Bend (Maricopa), AZ
- **WG2XLG Harris Corporation 0338-EX-PL-2012**  
 New experimental to operate in 746-756, 777-787, 1710-1755 and 2110-2155 MHz for research and development of solutions for testing and demonstration of a 4G cellular wireless communications network.  
 Mobile: Melbourne, FL
- **WG2XIS Motorola Solutions, Inc. 0443-EX-PL-2012**  
 New experimental to operate in 758 – 768 MHz and 788 – 798 MHz LTE Testing.  
 Fixed & Mobile: Chicago, IL
- **WG2XIJ RAVIG INC 0408-EX-PL-2012**  
 New experimental to operate in 801 – 811 MHz, 935 – 938 MHz, 2110 – 2126 MHz and 2620 – 2640 MHz to test and demonstrate data and Internet-based mobile services using equipment that is authorized in the U.S. and commercially available.  
 Fixed & Mobile: Pittsburg (Contra Costa), CA
- **WG2XHL Lutron Electronics Co., Inc. 0358-EX-PL-2012**  
 New experimental to operate on 865.90 MHz, 868.472 MHz and 868.825 MHz to test and design of lighting control.  
 Fixed: Coopersburg (Lehigh), PA

- **WG2XJC Sensus Spectrum LLC 0456-EX-PL-2012**  
 New experimental to operate in 867.50 - 868.50 MHz for testing and developing handheld units  
 Mobile: Durham, NC
- **WG2XJE LOCKHEED MARTIN CORPORATION 0455-EX-PL-2012**  
 New experimental to operate in various bands between 902 MHz and 100 GHz for Radar cross section measurement.  
 Fixed: Bithlo (Orange), FL
- **WG2XJD University Of Maryland Eastern Shores (UMES) 0260-EX-PL-2012**  
 New experimental to operate in 902 – 928 MHz and 5.74 - 5.86 GHz to test a small unmanned aerial system.  
 Mobile: Princess Anne (Somerset), MD
- **WG2XKJ SpaceX 0461-EX-PL-2012**  
 New experimental to operate on 915.37 MHz used as a communication link between SpaceX’s recovery boat and the Falcon 9 first stage after it has landed in the Pacific Ocean.  
 Mobile: Pacific Ocean
- **WG2XHD Raytheon 0271-EX-PL-2012**  
 New experimental to operate on 1030 MHz and 1090 MHz to operate an antenna test range.  
 Fixed: McKinney (Collin), TX
- **WG2XHI The Boeing Company 0355-EX-PL-2012**  
 New experimental to operate on frequencies between 1200 MHz and 13249 MHz for Testing HP 702 MexSAT Satellite.  
 Fixed: El Segundo (Los Angeles), CA
- **WG2XJN SRC, Inc. 0488-EX-PL-2012**  
 New experimental on 1225 MHz for avian and aircraft detection in the presence of wind turbines.  
 Fixed: Near Rolling Hills (Converse), WY
- **WG2XIR Lockheed Martin Corporation 0432-EX-PL-2012**  
 New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
 Fixed: Syracuse (Onondaga), NY
- **WG2XMB The Boeing Company 0574-EX-PL-2012**  
 New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing stand-alone GPS receivers.  
 Fixed: Newington, VA
- **WG2XHA Raytheon Missile Systems 0306-EX-PL-2012**  
 New experimental to operate on 1227.60 MHz and 1575.42 MHz for the development of advanced weapons systems, many of which are deployed from manned and unmanned aircraft, using GPS  
 Mobile: Tucson (Pima), AZ; Whetstone (Cochise), AZ
- **WG2XIL Cisco Systems Inc 0411-EX-PL-2012**  
 New experimental to operate on 1400 MHz and 3650 MHz for compliance testing of products.  
 Mobile: San Jose (Santa Clara), CA
- **WG2XJV Lockheed Martin Corporation 0471-EX-PL-2012**  
 New experimental to operate on various frequencies between 1438.50 and 2380.50 MHz for verification and testing for non-flight of target missile system.  
 Fixed: Courtland (Lawrence), AL

- **WG2XIO Fargo, City of 0400-EX-PL-2012**  
 New experimental to operate in 1564 – 1586 MHz for testing stand-alone GPS receivers.  
 Fixed: Fargo, ND
- **WG2XHN The Boeing Company 0340-EX-PL-2012**  
 New experimental to operate on 1575 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
 Fixed: San Diego (San Diego), CA
- **WG2XHS CESSNA AIRCRAFT COMPANY 0359-EX-PL-2012**  
 New experimental to operate on 1575.42 MHz for testing GPS equipment.  
 Fixed: Wichita (Sedgwick), KS
- **WG2XHT CESSNA AIRCRAFT COMPANY 0360-EX-PL-2012**  
 New experimental to operate on 1575.42 MHz for testing GPS equipment.  
 Fixed: Wichita (Sedgwick), KS
- **WG2XLC The Boeing Company 0586-EX-PL-2012**  
 New experimental to operate in 1625.50 - 1660.00 MHz to support operation of Inmarsat mobile terminals.  
 Mobile: Within the Continental United States
- **WG2XMO Ericsson Inc 0634-EX-PL-2012**  
 New experimental to operate in 1710 – 1730 MHz and 2110 – 2130 MHz for testing LTE equipment.  
 Fixed & Mobile: Lynnwood, Bothell, Mill Creek and Everett (Snohomish), WA
- **WG2XLN T-Mobile License LLC 0596-EX-PL-2012**  
 New experimental to operate in 1755 – 1780 MHz and 2155 – 2180 MHz for testing LTE in the AWS-1 band.  
 Mobile: Within the Continental United States
- **WG2XJG TrellisWare Technologies, Inc 0469-EX-PL-2012**  
 New experimental to operate in 1775 – 1795 MHz for sending and receiving voice communications, data, and streaming video in a combat environment.  
 Mobile: Crystal City, VA
- **WG2XLR Hewlett Packard Co. 0579-EX-PL-2012**  
 New experimental in 1940-1945, 1954-1959, 1970-1975, 2115-2125 and 2145-2155 MHz for investigation of in-building localization/positioning of user equipment connected to low-power enterprise 3G-based enterprise radio access network.  
 Fixed: Palo Alto (Santa Clara), CA
- **WG2XJX SpiderCloud Wireless, Inc 0382-EX-PL-2012**  
 New experimental in 1964-1974 MHz, 2115-2125 MHz and 2145-2155 MHz for development of 3G femtocell products.  
 Fixed: Fremont (Alameda), CA
- **WG2XKN Raytheon Missile Systems 0272-EX-PL-2012**  
 New experimental to operate in 2000 MHz – 40 GHz to test indoor near field antenna.  
 Fixed: Tucson, AZ
- **WE2XRD Raytheon 0126-EX-PL-2008**  
 New experimental to operate in frequency bands between 2000 MHz and 14400 MHz for outdoor antenna testing.  
 Fixed: McKinney (Collin), TX

- **WG2XHW Space Exploration Technologies Corp. 0380-EX-PL-2012**  
 New experimental to operate on 2091.50 MHz for testing a Research and Development (R&D) Vertical Takeoff, Vertical Landing (VTVL) vehicle  
 Fixed: McGregor (Coryell), TX
- **WG2XJR The Boeing Company 0497-EX-PL-2012**  
 New experimental to operate on various frequencies between 2205.50 MHz and 2282.50 MHz for testing Aircraft.  
 Mobile: Seattle, WA
- **WG2XKP Radio Mobile Access, Inc. 0567-EX-PL-2012**  
 New experimental to operate in 2345 – 2365 MHz to test LTE eNode.  
 Fixed: Andover (Middlesex), MA
- **WG2XJH Raytheon BBN Technologies 0470-EX-PL-2012**  
 New experimental to operate in 2573 – 2583 MHz for networking experimentation for The Global Environment for Network Innovations -  
 Fixed: Cambridge (Middlesex), MA
- **WG2XHK QUALCOMM Incorporated 0367-EX-PL-2012**  
 New experimental to operate in 2668 – 2690 MHz to test Time Division Duplex technology.  
 Fixed & Mobile: Bridgewater (Somerset), NJ; San Diego (San Diego), CA
- **WG2XKS The Boeing Company 0570-EX-PL-2012**  
 New experimental to operate in 2670 – 2690 MHz for testing aircraft.  
 Fixed: Seattle (King), WA
- **WG2XDR Enterprise Electronics Corp 0037-EX-PL-2012**  
 New experimental to operate on 2700 MHz, and in 5300-5600 MHz and 9300-9400 MHz for testing doppler weather radar.  
 Fixed: Enterprise (Coffee), AL
- **WG2XFG The Boeing Company 0169-EX-PL-2012**  
 New experimental to operate on select frequencies between 2900 MHz and 15150 MHz for testing satellite equipment.  
 Fixed: El Segundo (Los Angeles), CA
- **WG2XHF Hume Center at Virginia Tech 0305-EX-PL-2012**  
 New experimental to operate in 3300 - 3500 MHz for research and development of solutions for efficient coexistence of radar and communications systems by developing cognitive radars under Office of Naval Research contract.  
 Fixed: Blacksburg, VA
- **WG2XJU The Boeing Company 0466-EX-PL-2012**  
 New experimental to operate on 4665 MHz and 4685 MHz for testing and development of telemetry transmitters operating in the C band.  
 Mobile: Flight operations, Berkeley, MO
- **WG2XHY Saab Sensis Corporation 0325-EX-PL-2012**  
 New experimental in 5090-5150 MHz to support FAA contract for the Airport Surface Surveillance Capability program.  
 Fixed: East Syracuse (Onondaga), CA

- **WG2XKC CBF Networks 0506-EX-PL-2012**  
 New experimental to operate in 5250 MHz - 5350 MHz and 5725 MHz - 5875 MHz for equipment testing in 5 GHz bands.  
 Fixed & Mobile: Bellevue (King), WA
- **WG2XLI CBF Networks 0560-EX-PL-2012**  
 New experimental to operate in 5250 - 5350 MHz and 5725 - 5875 MHz for equipment testing.  
 Fixed & Mobile: Plano (Collin), TX
- **WG2XCY L-3 Communications Corp. Narda Satellite Networks 0025-EX-PL-2012**  
 New experimental to operate in 5850 MHz - 6425 MHz, 7900 - 8400 MHz, 14.00 - 14.50 and 30.00 - 31.00 GHz to test SATCOM antennas.  
 Mobile: Hauppauge, NY
- **WG2XJQ KVH Industries 0489-EX-PL-2012**  
 New experimental to operate in 5925-6425 MHz for terminal testing.  
 Fixed: Middletown (Newport), RI
- **WG2XMI DRS ICAS, LLC 0573-EX-PL-2012**  
 New experimental to operate in 7900 – 8400 MHz for equipment testing.  
 Mobile: (DRS Merrimack Campus) Merrimack, NH
- **WG2XJS 4-D Security Solutions, Inc. 0492-EX-PL-2012**  
 New experimental to operate in 8750 MHz – 8950 MHz for testing surveillance radars.  
 Fixed: Somerset (Somerset), NJ
- **WG2XIF Laurel Technologies Partnership 0402-EX-PL-2012**  
 New experimental to operate in 9000-10,000 MHz to field test squire radar and scout radar.  
 Fixed & Mobile: Safety Harbor and Tierra Verde (Pinellas), FL
- **WG2XGM ITT Exelis Inc. 0166-EX-PL-2012**  
 New experimental to operate on 9025 MHz, 9025 MHz, 9100 MHz and 9125 MHz to test precision approach radar systems.  
 Fixed: Van Nuys (Los Angeles), CA
- **WG2XGN ITT Exelis Inc. 0221-EX-PL-2012**  
 New experimental to operate on 9025 MHz, 9080 MHz, 9100 MHz and 9125 MHz to test precision approach radar system in 9 GHz.  
 Fixed: Van Nuys (Los Angeles), CA
- **WG2XIE Amphitech Systems 0395-EX-PL-2012**  
 New experimental to operate in 9200 – 9500 MHz for Radar equipment demonstrations.  
 Mobile: Within the Continental United States, AK and HI
- **WG2XGY Science Applications International Corporation 0286-EX-PL-2012**  
 New experimental to operate in 9200-10440 MHz for testing of a radar.  
 Mobile: Manassas, VA.
- **WG2XIN Ultra Electronics Advanced Tactical Systems 0426-EX-PL-2012**  
 New experimental to operate in 9300 – 9500 MHz and 15.70 - 17.20 GHz to demonstrate and test camera and radar systems under contract for DHS.  
 Fixed: Nogales (Santa Cruz), AZ
- **WG2XKU DRS C3 & Aviation Company 0491-EX-PL-2012**  
 New experimental to operate in 9300-9500 GHz for Radar and equipment testing

Mobile: Three Points, AZ

- **WG2XLA Rockwell Collins, Inc. 0582-EX-PL-2012**  
New experimental to operate in 9320.10 - 9400.70 MHz, 9327.40 - 9348.60 MHz and 9457.10 - 9480.70 MHz to test weather radar for aircrafts.  
Fixed: Cedar Rapids (Linn), IA
- **WG2XFH Raytheon Company 0183-EX-PL-2012**  
New experimental to operate in 9350 – 10000 MHz for antenna testing  
Fixed: McKinney (Collin), TX
- **WG2XFI Raytheon Company 0187-EX-PL-2012**  
New experimental to operate in 9350 – 10000 MHz for ground and airborne testing  
Mobile: Galveston, TX
- **WG2XIH University of Puerto Rico at Mayaguez 0261-EX-PL-2012**  
New experimental to operate in 9380 - 9440 MHz for testing a lower tropospheric weather radar to study rainfall.  
Fixed: Bayamon, PR
- **WG2XJP Georgia Tech Research Institute 0482-EX-PL-2012**  
New experimental to operate on 9500 MHz for demonstration of a small form factor radar on an unmanned aerial vehicle.  
Mobile: Early County Airport, Blakely, GA - max altitude 8000 ft.
- **WG2XIZ SRI International 0344-EX-PL-2012**  
New experimental to operate an airborne radar on 9625 MHz.  
Mobile Ann Arbor, MI
- **WG2XLH DRS C3 & Aviation Company 0541-EX-PL-2012**  
New experimental to operate on 10000 MHz for equipment testing  
Mobile: Three Points, AZ
- **WG2XLJ DRS C3 & Aviation Company 0565-EX-PL-2012**  
New experimental to operate on 10000 MHz for antenna testing.  
Mobile: Temporary Fixed (Ground) Operations Within 50km of Centerpoint Coordinates (Tucson, AZ)
- **WG2XJT 4-D Security Solutions, Inc. 0494-EX-PL-2012**  
New experimental to operate in 10200 MHz – 10550 MHz for testing surveillance radars.  
Fixed: Somerset (Somerset), NJ
- **WG2XKI The BOEING Company 0543-EX-PL-2012**  
New experimental to operate in frequency bands between 11000 MHz and 29.70 GHz to conduct an initial testing of Ka band satellite simulator and signal generator.  
Fixed: Herndon (Fairfax), VA
- **WG2XHX Raytheon Company 0319-EX-PL-2012**  
New experimental to operate on 11749.00 MHz, 11750.75 MHz, 14049.00 MHz and 14050.75 MHz to test Hop Devil Support Loopback  
Fixed: Sunnyvale (Santa Clara), CA
- **WG2XFO The Boeing Company 0229-EX-PL-2012**  
New experimental to operate in 16210 - 16500 MHz for testing SR Hawk Radar.  
Mobile: Gila Bend, AZ

- **WG2XKV Plextek Limited 0532-EX-PL-2012**  
 New experimental to operate on 17000 MHz for Radar testing  
 Mobile: Within the Continental United States
- **WG2XHJ Innovative Signal Analysis Inc 0361-EX-PL-2012**  
 New experimental to operate in 21200 – 23600 MHz to research and demonstrate a signal processing capability.  
 Mobile: Aurora (Denver), CO
- **WG2XID Ericsson Inc 0326-EX-PL-2012**  
 New experimental to operate in 22200 – 22240 MHz to test backhaul technologies Microwave links  
 Fixed: Plano (Collin), TX
- **WG2XLM BOEING COMPANY, THE 0603-EX-PL-2012**  
 New experimental to operate in 25.25 - 27.50 GHz for testing Ka band system to track moving vehicles at Boeing facility.  
 Mobile: Tukila, WA
- **WG2XKT Lockheed Martin Corporation 0513-EX-PL-2012**  
 New experimental to operate in 29.5-30 GHz to test a (prototype) Aero modem.  
 Mobile: Patuxent River [St. Marys], MD
- **WG2XHU Raytheon Missile Systems 0368-EX-PL-2012**  
 New experimental to operate in 94 – 96 GHz for testing security systems  
 Fixed: Tucson (Pima), AZ