

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 447 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 2/1/13 to 6/1/13:

- **ARTEMIS, INC." 0004-EX-PL-2013 WG2XNF**
9500 MHz for studying ice sheets
Mobile: Beaufort Sea off Northern coast of Alaska. Aircraft will be stationed in Fairbanks, AK

- **AVIATION SPECTRUM RESOURCES INC. 0150-EX-PL-2013 WG2XQA**
131 MHz and 136 MHz for aviation testing
Fixed: Annapolis (Anne Arundel), MD

- **AVIATION SPECTRUM RESOURCES INC. 0151-EX-PL-2013 WG2XQB**
131 MHz and 136 MHz for aviation testing
Fixed: Denver (Denver), CO

- **AVIATION SPECTRUM RESOURCES INC. 0152-EX-PL-2013 WG2XQC**
131 MHz and 136 MHz for aviation testing
Fixed: Denver (Denver), CO

- **AVIATION SPECTRUM RESOURCES INC. 0153-EX-PL-2013 WG2XQD**
131 MHz and 136 MHz for aviation testing
Fixed: Las Vegas, NV

- **AVIATION SPECTRUM RESOURCES INC. 0154-EX-PL-2013 WG2XQG**
136.75 MHz for aviation testing
Fixed: Las Vegas, NV

- **AVIATION SPECTRUM RESOURCES INC. 0155-EX-PL-2013 WG2XQH**
136.75 MHz for aviation testing
Fixed: Memphis (Shelby), TN

- **AVIATION SPECTRUM RESOURCES INC. 0156-EX-PL-2013 WG2XQI**
136.75 MHz for aviation testing
Fixed: Memphis (Shelby), TN

- **AVIATION SPECTRUM RESOURCES INC. 0157-EX-PL-2013 WG2XQJ**
136.75 MHz for aviation testing
Fixed: Memphis (Shelby), TN
- **AVIATION SPECTRUM RESOURCES INC. 0148-EX-PL-2013 WG2XPZ**
131 MHz and 136 MHz for aviation testing
Fixed: Greenville (Hunt), TX
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0578-EX-PL-2012 WG2XMC**
174 – 328 and 335.40 - 454.00 MHz for testing antennas
Fixed: Litchfield (Hillsborough), NH
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0537-EX-PL-2011 WG2XEC**
220.00, 460.10, 462.60, 465.10, 902.50, 910.00, 915.00, 920.00, 927.50, 1277.50, 1280.00, 1290.00, 1292.50, 2447.00, 2450.00, 2462.00, 2667.50, 2670.00, 2680.00 and 2682.50 MHz for testing antennas.
Mobile: Temporary Fixed (Ground) Locations, Merrimack, NH
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0149-EX-PL-2013 WG2XOJ**
1626.50 - 1660.50 and 1760.00 - 1840.00 MHz for testing antennas
Mobile Temporary Fixed Locations (Ground), Litchfield, NH
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0165-EX-PL-2013 WG2XPD**
1920 – 1980 and 2110 – 2170 MHz for testing antennas
Mobile: Temporary Fixed Operation, Merrimack, NH
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0035-EX-PL-2013 WG2XMW**
14,500 – 14,602 MHz, 14,610 – 15,242 MHz and 15,250 – 15,350 MHz for testing waveforms
Mobile: Temporary Fixed (Ground) Operations, Merrimack, NH
- **BOEING COMPANY, THE 0052-EX-PL-2013 WG2XMX**
1227.60 and 1575.40 MHz for testing GPS
Fixed: Kent (King), WA
- **BRIAN D. JUSTIN, JR. 0170-EX-PL-2013 WG2XPN**
70.004 - 70.006 MHz to evaluate VHF E-skip radio propagation
Fixed: Bedford (Bedford), VA
- **BRIAN PEASE 0118-EX-PL-2013 WG2XPJ**
135.70 - 137.80 and 472 – 479 kHz for antenna testing
Fixed: Milton (Chittenden), VT

- **CALIFORNIA POLYTECHNIC STATE UNIVERSITY 0194-EX-PL-2013 WG2XPI**
437 MHz for a Cubesat experiment
Mobile: Nongeostationary Space Orbit
- **CBF NETWORKS 0650-EX-PL-2012 WG2XMU**
5250 - 5350 MHz and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Mt Laurel (Burlington), NJ
- **CBF NETWORKS 0473-EX-PL-2012 WG2XJI**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Middletown (Monmouth), NJ
- **CBF NETWORKS 0650-EX-PL-2012 WG2XMU**
5250 - 5350 MHz and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Mt Laurel (Burlington), NJ
- **CBF NETWORKS 0473-EX-PL-2012 WG2XJI**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Middletown (Monmouth), NJ
- **CBF NETWORKS 0474-EX-PL-2012 WG2XJK**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Littleton (Arapahoe), CO
- **CBF NETWORKS 0476-EX-PL-2012 WG2XJJ**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Overland Park (Johnson), KS
- **CBF NETWORKS 0650-EX-PL-2012 WG2XMU**
5250 - 5350 MHz and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Mt Laurel (Burlington), NJ
- **CBF NETWORKS 0473-EX-PL-2012 WG2XJI**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Middletown (Monmouth), NJ
- **CBF NETWORKS 0474-EX-PL-2012 WG2XJK**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Littleton (Arapahoe), CO
- **CBF NETWORKS 0476-EX-PL-2012 WG2XJJ**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Overland Park (Johnson), KS
- **CBF NETWORKS 0476-EX-PL-2012 WG2XJJ**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Overland Park (Johnson), KS
- **CELLCO PARTNERSHIP 0005-EX-PL-2013 WG2XNE**

1227.60 and 1575.42 MHz for GPS rerad device testing
Mobile: Waltham (Middlesex), MA

- **CENTRIFUGE MEDIA INC. 0575-EX-PL-2012 WG2XMZ**
865 MHz for testing RFID technology
Fixed: Morrisville (Wake), NC
- **CISCO SYSTEMS 0240-EX-PL-2013 WG2XQZ**
2500-2600 MHz for compliance testing
Mobile: Cisco test labs in RTP (Durham), NC and Boxborough, MA
- **CLEARSKY TECHNOLOGIES, INC. 0236-EX-PL-2013 WG2XRY**
800 MHz, 1710 MHz for Femtocell testing
Fixed: Boulder (Boulder), CO
- **CONTINENTAL AUTOMOTIVE SYSTEMS, INC. 0125-EX-PL-2013 WG2XQU**
174 – 240, 698 – 960, 1452 – 1492, 1563 – 1587 and 2320 – 2345 MHz for immunity testing
indoors
Fixed: Lake Zurich and Deer Park (Lake), IL
- **COSMOGIA INC. 0548-EX-PL-2012 WG2XKW**
400 MHz, 2 GHz and 8 GHz" for Cubesat testing
Mobile: LEO Nongeostationary Space Orbit
- **COSMOGIA INC. 0159-EX-PL-2013 WG2XOL**
450, 2056, and in 2401.60 - 2477.60 MHz for testing an Earth station for cubesat
Fixed: Half Moon Bay (San Mateo), CA
- **DRS C3 & AVIATION COMPANY 0003-EX-PL-2013 WG2XOV**
Various frequencies between 4445 and 4865 MHz for Radar testing
Mobile: Tucson, AZ - University of Arizona (Temporary Fixed Operations)
- **DRS C3 & AVIATION COMPANY 0177-EX-PL-2013 WG2XQW**
9900 – 10,400 MHz for Radar testing
Mobile: Temporary Fixed Ground Operations, Gaithersburg, MD
- **DRS C3 & AVIATION COMPANY 0008-EX-PL-2013 WG2XNV**
10,000 MHz for equipment testing
Mobile: Vail, AZ
- **DRS ICAS, LLC 0163-EX-PL-2013 WG2XPP**
30 GHz for testing a satellite system
Mobile: Merrimack, NH - DRS Campus
- **DRS SIGNAL SOLUTIONS, INC. 0048-EX-PL-2013 WG2XOU**
Between 6.765 MHz and 5.875 GHz testing radio transceivers
Mobile: Gaithersburg, MD; Cary, NC

- **DRS TACTICAL SYSTEMS, INC. 0436-EX-PL-2012 WG2XJA**
3000 – 3650, 3700 – 5000, 8000 – 9000, 9200 – 12000 MHz and 14 – 16 GHz
for testing handheld devices
Mobile: Davis-Monthan AFB, AZ
- **DYNETICS, INC. 0208-EX-PL-2013 WG2XPU**
3093.75 – 3406.25 MHz for Radar testing
Fixed: Huntsville (Madison), AL
- **GENERAL ATOMICS AERONAUTICAL SYSTEMS 0597-EX-PL-2012 WG2XNJ**
8750-8850 MHz to test radar equipment
Mobile: Palmdale, CA
- **GENERAL DYNAMICS C4 SYSTEMS 0094-EX-PL-2013 WG2XOZ**
9400 - 9600 MHz to build and operate a prototype border protection system demonstration site to
support US Government contract pursuits
Fixed: Wittman (Maricopa), AZ
- **GOGPS 0592-EX-PL-2012 WG2XLZ**
1575.42 MHz to test vehicle tracking systems containing GPS devices
Fixed: Bradenton (Manatee), FL
- **GOOGLE INC. 0011-EX-PL-2013 WG2XOT**
2524-2546 MHz and 2567-2625 MHz for system testing
Fixed & Mobile: Mountain View, CA
- **GRAY TELEVISION LICENSEE, LLC 0013-EX-PL-2013 WG2XPL**
1990-2110 MHz and 2450-2483.5 MHz to test a system that will utilized fixed sectorized
antennas mounted at high locations to communicate with television mobile units that will use
steerable antennas mounted under radomes on mobile units
Fixed: Bryan & College Station, TX
- **HM ELECTRONICS INC. 0364-EX-PL-2013 WG2XRI**
1920-1930 MHz to test and demonstrate wireless communications products
Fixed & Mobile: Nationwide
- **INSITU 0401-EX-PL-2012 WG2XIU**
1370 – 1381, 2390 – 2489 and 4411 – 4789 MHz to support research and development of UAV
under a DOD contract
Fixed & Mobile: Boardman (Morrow), OR
- **INSITU 0214-EX-PL-2013 WG2XQY**
2310 – 2314 MHz to test UAVs at 7000 ft.
Fixed & Mobile: Boardman (Morrow), OR; Lenore Lake (Douglas), WA
- **INTEL CORPORATION 0644-EX-PL-2012 WG2XMG**
1575.42 MHz for testing radionavigation satellite service (RNSS) equipment
Fixed: Folsom (Sacramento), CA

- **ISR GROUP 0464-EX-PL-2012 WG2XKH**
1370 – 1390 MHz to test UAV systems
Fixed: Hardin (Hardin), TN
- **ITT EXELIS INC. 0311-EX-PL-2013 WG2XQP**
13,250 – 13,400 MHz to test AIR-TO-AIR Radar Subsystem (AARSS)
Fixed: Santa Clarita (Los Angeles), CA
- **ITT EXELIS INC. 0313-EX-PL-2013 WG2XQR**
13,250 – 13,400 MHz to test AIR-TO-AIR Radar Subsystem (AARSS)
Fixed: Van Nuys (Los Angeles), CA
- **ITT EXELIS INC. 0314-EX-PL-2013 WG2XQS**
13,250 – 13,400 MHz to test AIR-TO-AIR Radar Subsystem (AARSS)
Fixed: Santa Clarita (Los Angeles), CA
- **ITT EXELIS INC. 0309-EX-PL-2013 WG2XQT**
13,325 MHz" to test AIR-TO-AIR Radar Subsystem (AARSS)
Fixed: Santa Clarita (Los Angeles), CA
- **JAMESBURG EARTH STATION TECHNOLOGIES, LLC 0123-EX-PL-2013 WG2XNO**
6725.00 - 6725.25 MHz to explore stars
Fixed: Carmel Valley (Monterey), CA
- **JARVINIAN WIRELESS INNOVATION FUND0096-EX-PL-2013 WG2XNK**
2473 – 2495 MHz to test terrestrial low power service
Mobile: Cambridge, MA
- **JARVINIAN WIRELESS INNOVATION FUND0162-EX-PL-2013 WG2XNS**
2473 – 2495 MHz to determine the performance of carrier grade terrestrial low power service
Mobile: Cupertino, CA
- **LILEE SYSTEMS, LTD. 0204-EX-PL-2013 WG2XON**
217-222 MHz to support Positive Train Control (PTC) mandated by FRA.
Fixed: Santa Clara (Santa Clara), CA
- **LILEE SYSTEMS, LTD. 0205-EX-PL-2013 WG2XOO**
217-222 MHz to support Positive Train Control (PTC) mandated by FRA
Fixed: Fremont (Alameda), CA
- **LILEE SYSTEMS, LTD. 0206-EX-PL-2013 WG2XOP**
217-222 MHz to support Positive Train Control (PTC) mandated by FRA.
Fixed: Portola Valley (San Mateo), CA
- **LOCIVA 0222-EX-PL-2013 WG2XPB**
1710 – 1730 and 2110 – 2130 MHz to conduct a joint users interoperability communications exercise
Fixed: Aberdeen Proving Grounds (Harford), MD

- **LOCKHEED MARTIN CORPORATION** **0581-EX-PL-2012** **WG2XMH**
1.641, 1.776, 2.165, 2.489, 2.801, 3.248, 3.395, and 4.736 MHz to support RADOME performance
Fixed: Owego (Tioga), NY
- **LOCKHEED MARTIN CORPORATION** **0027-EX-PL-2013** **WG2XMP**
425 MHz , 2361.5 MHz, 2365.5 MHz, 5620 MHz and 5690 MHz to test ballistic missile target vehicles.
Fixed: Huntsville (Madison), AL
- **LOCKHEED MARTIN CORPORATION** **0600-EX-PL-2012** **WG2XLL**
1030 MHz to test TPS-77 radar
Mobile: Syracuse, NY
- **LOCKHEED MARTIN CORPORATION** **0528-EX-PL-2012** **WG2XKE**
1030 MHz to operate a UPX-44AX Secondary Surveillance Radar (SSR)
Mobile: Syracuse, NY
- **LOCKHEED MARTIN CORPORATION** **0080-EX-PL-2013** **WG2XNL**
1030 MHz and 1090 MHz to test APX-114 and APS-152 radars
Fixed: McKinney (Collin), TX; Greenville, SC
- **LOCKHEED MARTIN CORPORATION** **0558-EX-PL-2012** **WG2XKL**
1222.222222, 1225.806452, 1238.095238, 1253.968254, 1258.064516, 1269.84127, 1285.714286, 1290.322581, 1290.322581 and 1365.079365 MHz to perform a calibrated measurement of the radar cross section
Fixed: Bithlo (Orange), FL
- **LOCKHEED MARTIN CORPORATION** **0014-EX-PL-2013** **WG2XMN**
1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Orlando (Orange), FL; Ocala (Marion), FL; Troy (Pike), AL; Minneapolis (Anoka), MN; Camden (Quachita), AR
- **LOCKHEED MARTIN CORPORATION** **0514-EX-PL-2012** **WG2XJZ**
7125 – 8042 MHz to perform a calibrated measurement of the radar cross-section
Fixed: Bithlo (Orange), FL
- **LOCKHEED MARTIN CORPORATION** **0515-EX-PL-2012** **WG2XJY**
8000 – 8500 MHz to perform a calibrated measurement of the radar cross-section.
Fixed: Bithlo (Orange), FL
- **LOCKHEED MARTIN CORPORATION** **0087-EX-PL-2013** **WG2XOK**
29,500-30,000 MHz to test a (prototype) Aero modem
Fixed & Mobile: Patuxent River (St. Marys), MD; Owego (Tioga), NY; Bloomfield (Hartford), CT; Blackstone (Nottoway), VA

- **LOCKHEED MARTIN CORPORATION** **0189-EX-PL-2013** **WG2XPX**
34.50 - 35.50 GHz to evaluate electronic surveillance monitoring
Fixed & Mobile: Syracuse (Onondaga), NY
- **LOCKHEED MARTIN CORPORATION** **0271-EX-PL-2013** **WG2XQQ**
34 – 36 GHz to test a scalable low cost phased array radar
Fixed & Mobile Orlando and Bithlo (Orange), FL
- **MARK B. DITTMAR** **0020-EX-PL-2013** **WG2XNI**
180-190 kHz for testing radio techniques
Fixed: Westminster (Jefferson), CO
- **MEDGAR EVERS COLLEGE, CUNY** **0195-EX-PL-2013** **WG2XOS**
437.5016 - 437.5084 MHz for Cubesat operations
Mobile: Nongeostationary Space Orbit
- **MONTANA STATE UNIVERSITY** **0200-EX-PL-2013** **WG2XOY**
437.23 and 437.405 MHz for Cubesat operations
Mobile: Nongeostationary Space Orbit
- **MOOG INC** **0536-EX-PL-2012** **WG2XKR**
962, 1021, 1081, 1151 and 1198 MHz for testing Tactical Air Navigation (TACAN) system
Fixed: Salt Lake (Salt Lake), UT
- **MOTOROLA SOLUTIONS, INC.** **0269-EX-PL-2012** **KI2XBM**
72.94 MHz, 72.95 MHz, 72.98 MHz, 74.6-74.8 MHz, and 75.66 MHz for testing and
demonstrating land mobile radio equipment
Mobile: Fort Lauderdale (Broward), FL
- **MOTOROLA SOLUTIONS, INC.** **0199-EX-PL-2013** **WG2XRE**
758 – 768 and 788 – 798 MHz to test LTE technology
Fixed & Mobile: Schaumburg, Palatine, IL and Plantation, FL
- **NOKIA SIEMENS NETWORKS US LLC** **0317-EX-PL-2012** **WG2XII**
758.00 - 768.00 and 788.00 - 798.00 MHz for testing Long Term Evolution (LTE) technology
Fixed & Mobile: Arlington Heights and Palatine, IL
- **OCEUS NETWORKS** **0602-EX-PL-2012** **WG2XLT**
2000 MHz for LTE equipment demonstrations
Mobile: Various locations, nationwide
- **ORBITAL SCIENCES CORPORATION** **0006-EX-PL-2013** **WG2XPG**
2000 MHz and 5000 MHz for ground testing for space vehicles
Mobile: Wallops Island (Accomack), VA
- **OSU-UNIVERSITY MULTISPECTRAL LABORATORIES** **0584-EX-PL-2012**
WG2XML
5001 – 5570 MHz and 5650 – 6100 MHz to test radios used outside the US
Fixed: Chilocco (Kay), OK

- **OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0213-EX-PL-2013 WG2XPT**
 1710 – 1785 MHz and 1805 – 1850 MHz for testing handheld devices used overseas
 Fixed & Mobile: Chilocco (Kay), OK; Idabel (McCurtain), OK; Elgin (Comanche), OK
- **OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0615-EX-PL-2012 WG2XMM**
 5400 - 5500 MHz and 5700 - 5800 MHz to test radios used outside the US
 Fixed: Chilocco (Kay), OK
- **OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0615-EX-PL-2012 WG2XMM**
 5400 - 5500 MHz and 5700 - 5800 MHz to test radios used outside the US
 Fixed: Chilocco (Kay), OK
- **OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0615-EX-PL-2012 WG2XMM**
 5400 - 5500 MHz and 5700 - 5800 MHz to test radios used outside the US.
 Fixed: Chilocco (Kay), OK
- **PROXIM WIRELESS CORPORATION 0180-EX-PL-2013 WG2XPO**
 4000 MHz, 5000 MHz, 17,000 MHz and 19,000 MHz for equipment testing
 Fixed & Mobile: Cupertino (Santa Clara), CA
- **QUALCOMM INCORPORATED 0303-EX-PL-2013 WG2XQO**
 3560 – 3650 MHz to test Time Division Duplex technology
 Fixed & Mobile: San Diego (San Diego), CA
- **QUALCOMM INCORPORATED 0079-EX-PL-2013 WG2XNM**
 14,000 – 14,500 MHz to test Air-Ground communications service
 Fixed: Bakersfield (Kern), CA; San Diego (San Diego), CA
- **RADIO MOBILE ACCESS, INC. 0566-EX-PL-2012 WG2XKO**
 2345 – 2365 MHz to test LTE ENode
 Fixed: Tewksbury (Middlesex), MA
- **RADIO MOBILE ACCESS, INC. 0568-EX-PL-2012 WG2XKQ**
 2345 – 2365 MHz to test LTE ENode
 Fixed: Andover (Middlesex), MA
- **RAINMAKER NETWORK SERVICES 0329-EX-PL-2013 WG2XRB**
 470 – 608 and 614 – 698 MHz to test white spaces
 Fixed: Thurman (Warren), NY
- **RANGE NETWORKS, INC. 0266-EX-PL-2013 WG2XPM**
 894 – 902, 939 – 947, 1710 – 1755 and 1805 – 1850 MHz for equipment testing.
 Fixed & Mobile: San Francisco (San Francisco), CA

- **RAYTHEON 0228-EX-PL-2013 WG2XPA**
420 – 450 MHz to test radio the physical aspects of situational awareness radio infrastructure design
Mobile: Sterling (Loudoun), VA
- **RAYTHEON 0029-EX-PL-2013 WG2XMR**
435 MHz and in 9300 – 10000 MHz to operate an antenna test range
Fixed: Dallas (Dallas), TX
- **RAYTHEON 0270-EX-PL-2013 WG2XPW**
3.00 - 4.995, 5.005 - 5.900, 6.200 - 9.995, 10.005 - 14.99, 15.01 - 19.99, 20.01 - 24.99 and 25.01 - 30.00 MHz to operate an antenna test range
Fixed: McKinney, TX
- **RAYTHEON MISSILE SYSTEMS 0045-EX-PL-2013 WG2XMV**
15,700 – 17,800 MHz to test on a radar system
Fixed: Tucson (Pima), AZ
- **RAYTHEON NETWORK CENTRIC SYSTEM 0197-EX-PL-2013 WG2XOW**
15,700 – 17,700 MHz to test multi-function radar system in an anechoic chamber.
Fixed: Dallas (Dallas), TX
- **RFMICRON, INC. 0078-EX-PL-2013 WG2XNB**
800 – 960 MHz to perform RFID testing
Mobile: Austin (Travis), TX
- **SPIDERCLOUD WIRELESS, Inc 0111-EX-PL-2013 WG2XRA**
2110-2140 MHz and 2145-2155 MHz for development of 3G femtocell products
Fixed: San Jose (Santa Clara), CA
- **SRC INC. 0031-EX-PL-2013 WG2XOC**
16,715 MHz for testing a prototype airborne radar
Mobile: Logan, UT, altitude up to 4922 feet
- **SRC, INC. 0496-EX-PL-2012 WG2XKK**
1217 MHz to operate an avian surveillance and warning system radar
Mobile: Ocotillo, CA
- **SRC, INC. 0647-EX-PL-2012 WG2XNP**
9500-10,000 MHz and 10,025-10,500 MHz to test an airborne ground moving target indicator radar.
Mobile: Logan, UT: altitude up to 4922 feet
- **SRC, INC. 0054-EX-PL-2013 WG2XOX**
16,210-16,500 MHz to test radars
Mobile: Ft Irwin, CA

- **SRT WIRELESS, LLC 0569-EX-PL-2012 WG2XLV**
1525-1559 MHz to develop and test an L-Band satellite network simulator.
Fixed: Throughout the US
- **THE BOEING COMPANY 0563-EX-PL-2012 WG2XMA**
76 – 152, 947 – 1228, 1515 – 1645, 4185 – 4415 MHz for testing of the radiated field effects of PEDs on the aircraft
Fixed: Everett (Snohomish), WA; Renton (King), WA; Marana (Pinal), AZ
- **THE BOEING COMPANY 0191-EX-PL-2013 WG2XOI**
2205.50, 2216.50, 2239.50, 2268.50, 2282.50 and in 9350 – 10150 MHz for testing aircraft
Mobile: 27,000 Foot Flight Level, Coos Bay, OR
- **THE BOEING COMPANY 0135-EX-PL-2013 WG2XNZ**
2391 – 2417 MHz for testing MSA aircraft production
Fixed & Mobile: Seattle, WA; Greenville (Hunt), TX; Glasgow (Valley), MT
- **THE BOEING COMPANY 0066-EX-PL-2013 WG2XNA**
3700 – 4200, 5800 – 6800, 10700 – 12700, 12750 – 13250, 13750 – 14000, 14000 – 14500, 17300 – 17800, 19700 – 20200 and 29500 – 30000 MHz for testing satellite systems
Fixed: El Segundo (Los Angeles), CA
- **THE BOEING COMPANY 0239-EX-PL-2013 WG2XPC**
27 and 35 GHz for testing the P-8I aircraft
Mobile: Moses Lake (Grant), WA
- **THE BOEING COMPANY 0138-EX-PL-2013 WG2XNQ**
2391 – 2417 MHz for testing MSA aircraft production
Fixed & Mobile: Seattle, WA; Greenville (Hunt), TX; Glasgow (Valley), MT
- **THE BOEING COMPANY 0142-EX-PL-2013 WG2XOA**
2391 – 2417 MHz for testing MSA aircraft production
Fixed & Mobile: China Lake (Kern), CA; Yuma (Yuma), AZ; Honolulu (Honolulu), HI
- **TITAN AEROSPACE 0025-EX-PL-2013 WG2XMQ**
902 – 928 and 5745 – 5825 MHz for testing SOLARA system
Mobile: Moriarty, NM
- **UNDERSEA SENSOR SYSTEMS, INC. 0640-EX-PL-2012 WG2XMJ**
167.50 MHz and 173.50 MHz for undersea sensor system testing under contract with the US Navy
Fixed: Lapel, IN
- **UNION PACIFIC RAILROAD COMPANY 0594-EX-PL-2012 WG2XLW**
1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Omaha (Douglas), NE

- **USU RESEARCH FOUNDATION 0474-EX-PL-2012 WG2XJK**
5250 - 5350 and 5725 - 5875 MHz for equipment testing
Fixed & Mobile: Littleton (Arapahoe), CO
- **USU RESEARCH FOUNDATION 0280-EX-PL-2013 WG2XQF**
9500 – 10,000 MHz to build and test a SAR system
Mobile: Logan, UT
- **UTILIMATER 0175-EX-PL-2013 WG2XOE**
1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Bristol (Elkhart), IN
- **VIASAT, INC. 0112-EX-PL-2013 WG2XOB**
824 – 849, 1710 – 1755 and 1850 – 1910 MHz to support integration testing and demonstration of
ancillary voice communications
Fixed: Carlsbad (San Diego), CA
- **WINLAB, RUTGERS UNIVERSITY 0362-EX-PL-2013 WG2XRO**
674 – 686 MHz to test White Spaces devices
Fixed: North Brunswick and Piscataway (Middlesex), NJ
- **XG TECHNOLOGY, INC." 0185-EX-PL-2013 WG2XPQ**
902 – 928 MHz for testing Part 15 cognitive radios
Mobile: At temporary locations within the Continental U.S.