Frequency List for Detection Equipment 4/07/2015

This list is a compilation of known frequencies you will find with appropriate detection equipment in your quest to gather evidence and have a clearer understanding of the sources that are being used to monitor you and cause some of the unpleasant effects and lack of privacy you are experiencing. Due to the complexity of integrated systems used by communication and power industries in civilian applications and military grade delivery systems (designed to deceive you from finding source location), you will find many frequencies associated with what monitors and harms you. Also consider classified information, disinformation and the high cost of some detection equipment and technical knowledge required to use it, you will only be able to find some of the sources monitoring and affecting you based on the information we have to share with you and the capability of your equipment. This report is based on the information or the legal validity of it's use in a court of law. Some reports are conflicting in the frequency data they provide.

This list is to be used with the Detection Equipment list which tells you the detectors, range capabilities (and their limitations) that you use with this information.

Please note that because of complex integrated surveillance systems and the documented capabilities of remote neural monitoring, some systems will be disabled when you use your detection equipment so that you won't find the source. It is best to keep your thoughts on something else and be spontaneous and methodical in your approach to discover some of the sources. You will find that you will detect some sources at different times because of this strategy used by covert opposition. They will also use subliminal thoughts to try to divert you from doing detection work or protecting yourself. When finding some of the sources and removing or exposing them opposition will become more hostile towards you so be strategic in what you do and consider their counter measures. It has been reported by many TI's that when they locate these systems and protect themselves effectively, new applications are put in place to undermine their efforts. This is to waste your time and resources which is part of the opposition's strategy to disempower you and keep you vulnerable. Please expect trickery and deception from these people and avoid jumping to conclusions about who or what is doing this to you. Using digital detectors can be vulnerable to remote altering of your readings. Be patient and precise in your pursuits.

A **Frequency Report Sheet** will be provided with this Frequency List for you to record your findings so we can be methodical and consistent in gathering evidence. In keeping this in mind I wish you well in your quest for peace, freedom and justice.

If you have verified information to add to the Frequency or Detection Equipment list, please send it to me with accompanied reports for verification and publishing at electricrose22@yahoo.com and it will be posted on the website for everyone's benefit. Sincerely, Neal Chevrier. Facilitator for R&D Branch of the Technical Committee

Understanding Frequency Basics:

Hertz is a measurement for cycles (or pulses) per second. Modern technology uses a frequency to carry another frequency. This is modulation or referred to as a modulation envelope. Below is a chart to show the ranges of measurement used. If you are using a frequency counter or spectrum analyzer you will have to know what ranges you will find sources in and what they might be coming from. Due to very high tech frequency packets you will find multiple frequencies with a spectrum analyzer like the S.D.R. (software defined radio) found in the detection equipment section . Below this chart you will find the multitude of known frequencies for different delivery systems. Your goal is to learn to recognize what frequencies are coming from which source and isolate the ones you would like to identify.

Electromagnetic (EM) Signal Properties:

FREQUENCY BANDS:

Everyone who has ever tuned a radio understands frequency. Because the behavior of EM signals changes with frequency, the EM spectrum has been divided into bands. I'm not going to provide precise limits for each band, because some bands, like "ELF," are defined differently by different users. Here are a few of the band designations which often find their way into conversation:

- **ELF extremely low frequency**, generally the lowest frequencies, often audio
- frequencies are included. Communication with submarines can be done. Brain
- entrainment and mood alteration are possible.
- **BRAIN** Under 100 Hz, mostly under 30 Hz, all within the ELF range.
- **LF** -(**Low Frequency**) 30 to 300 kHz Navigation, time signals, AM Longwave broadcasting (Europe and parts of Asia), RFID
- **MF** (**Middle Frequency**) 300 to 3,000 kHz AM radio broadcasts.
- **HF** (**High Frequency**) 3 MHz to 30 MHz shortwave broadcasts, amateur radio, signals are reflected by the ionosphere.
- VHF and UHF- (Very High and Ultra High Frequency) 30 to 3,000 MHz - TV, 2-way communications, air communications and navigation, FM broadcast.
- **MICROWAVE** sometimes defined as starting at 300 MHz, or starting at 3 GHz goes all the way up to infrared, which starts at 300 GHz
- **TERAHERTZ** 300 GHz to 3,000 GHz some use as through clothing or luggage scanners.
- **INFRARED** 300 GHz to 430 THz, Above visible light, ultraviolet, x-rays and cosmic rays are above infrared.

AMPLITUDE/POWER LEVEL

The power level of an EM signal is usually expressed in WATTS.

MODULATION (SOMETIMES CALLED "**MODULATION ENVELOPE**")

An EM signal can be steady, like a pure unvarying tone in music, or can have changes impressed on the signal. Changes to an EM signal are called modulation.

Cell Phones:

Cell Towers:

Drones:

ELF:

Using expensive Spectrum Analyzers, Research & Development (R&D) has found Extremely Low Frequencies (ELF's) coming through the neutral/ground of peoples homes. Reports show that fiber optic interfaces attached to the power source are using Lilly Waves to deliver harmful ELF's to you in your home. Therefore it is dangerous to ground yourself or mattress & box springs to this source to neutralize the effects. TI's are found to have electricity accumulating in their bodies so it is beneficial to walk bare footed on the earth or hold on to a metal fence post for a few minutes once in a while to bleed off the accumulated electricity. Barrie Trower told this writer that grounding is more complex than people realize. My experiments show that even using an isolated ground rod to hook up to still has interference coming through it. Frequencies found will be posted in this Frequency list document when completed.

R&D is currently working on creating an effective filter to eliminate this problem. The effects reported are as follows:

1 Hz: Heartbeat rhythm
1-3 Hz: Sleep Pattern
3-5 Hz: Paranoia, Hallucinations, Amnesia, Illusions, Drowsiness, Absent Feeling
6-7 Hz: Depression, Visual Distortion, Confusion
8-11 Hz: Restless, Unwell, Unhappy
11-13 Hz: Anger, Manic, Motor Control, Flashes, Loss of Appetite
14-18 Hz: Small Seizures, Disoriented, Audio/Visual Hallucinations
20-20 KHz; Subliminal Thoughts
20 Hz: Phantom Touch
18 Hz: Can't make Decisions, Sensory Problems, Sight & Touch Effects
24 Hz: Confusion, Flickering, Flashing Lights, Dizziness
25 Hz: (Pulse Modulated Mobile Phone) affects sight near head & affects Heart near chest. Disruptive to visual & heart neurotransmitters
35 Hz: Mania, Hyperactive
40 Hz: Anxiety, Sleep Problems, Slow Reactions, Can't make Decisions

H.A.A.R.P:

2.8 to 10 MHz with modulated ELF's capable of causing a wide variety of effects to the body and mind. (More Later)

Implants:

Whether EEG monitoring is done with or without implants, streaming real-time data from millions of brains must use a brain-to-machine interface to link brain and body physiological data to a super computer. Although collecting information from one person may be possible, collecting this information from millions of brain at one time will be accomplished through a mesh network of sensors which makes the human part of the internet of things. Ubiquitous health monitoring with implanted sensors is the future of surveillance of the complete human being, not just the brain, however, Obama's Brain Initiative makes it clear that every brain will be monitored.

Due to the progress in digital electronics, microprocessors have become extremely small and capable of using wireless technology to interface and perform multiple interactive functions. This has brought about the capabilities in medical and military applications to use implants in clothing, on the body, in the body and pharmaceuticals for a wide variety of uses which can be controlled by networks already in place designed for other uses like: Wi-Fi, Bluetooth, cell phones, Smart Meters, personal computers, handheld devices and Zigbee. Many wireless medical devices communicate with nearby receivers that are connected to landline networks, cellular systems & broadband facilities that are connected to the internet.

This allows monitoring and control over virtually the entire planet and the people. Because of compartmentalization in a wide variety of specialty fields, not many specialists realize the potential for gaining complete control of every person on our planet by a medical and military that is actively hurting our own people for profit and control. Those who have masterminded these integrative systems (and profit from them) plan to take over the entire world. These integrated systems have the capability to do just that.

Our research finds many Implant frequency interface ranges to operate with the above systems. The FCC has licensed certain bands for this and also has experimental bands assigned for these purposes. Implanted devices can control (or monitor) nerve stimulation, bladder and cranial pressure for example. Needless to say, technology exists to monitor or control every body function through wireless networks. Barrie Trower provided a list of frequencies being used to affect and or control body and mind functions. He said there is a list of 600 frequencies to control every human function. He stated that nobody has access to the list because it is classified information.

Types of Implants and Associated Frequency Data:

Bluetooth: Refer to chart

Inductive Implants: Below 200 KHz. Range: 1 foot. Medical Body Area Networks: 2360-2400 MHz. Range: A few feet.

Medical Device Radio Communication Service: (formerly "Mics"). For communication between body implants and a nearby controller. (Well suited for tissue penetration). 401-406 MHz. Range: 10 feet.

Medical Micropower Networks: 413-457 MHz. Range: A few feet.

Wi-Fi: Refer to chart

WIMAX: (Worldwide Interoperability for Microwave Access) Broadband Wireless access: 2.5 GHz.

Wireless Medical telemetry: Older Systems: 174-216 MHz, 470-668 MHz. Newer Systems: 608-614, 1395-1400 and 1427-1429.5 and 1432 MHz. Range: Several hundred feet.

Zigbee: (Unlicensed technology used with cell phones) : 902-928, 2400-2483.5 and 5725-5850 MHz. Range: Up to 200 feet.

Standard	Frequency	Data Rate	Range
Inductive Coupling Devices	< 1 MHz	1-30 kbps	<1m
Wireless Medical Telemetry System	608-614 MHz 1395-1400 MHz 1427-1429.5 MHz	>250 kbps	30-60m
Medical Device Radiocommunication Service	401-406 MHz	250 kbps	2-10m
802.11a Wi-Fi	5 GHz	54 Mbps	120m
802.11b Wi-Fi	2.4 GHz	11 Mbps	140m
802.11g Wi-Fi	2.4GHz	54Mbps	140m
802.11n Wi-Fi	2.4/5GHz	248 Mbps	250m
802.15.1 Bluetooth Class I	2.4 GHz	3 Mbps	100m
802.15.1 Bluetooth Class II	2.4 GHz	3 Mbps	10m
802.15.4 (Zigbee)	868, 915 MHz, 2.4 GHz	40 kbps 250 kbps	75m
World Interoperability for Microwave Access (WiMAX)	2.5 GHz	70 Mbps (fixed) 40 Mbps (mobile)	Several km

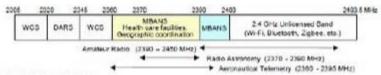
APPENDIX A-1 Current Medical Telemetry Bands

TABLE II Characteristics of Wireless Technologies used in BANs

Technology	Frequency	Data Rate	Coverage	Modulation	Network Topology
Bluetooth V.1 802.15.1	2.4 GHZ ISM	780 Kbps	10-150 m (on-body only)	GFSK	star
Bluetooth V.2 + Enhanced Data Rate (EDR)	2.4 GHZ ISM	3 Mbps	10-100 m (on-body only)	GFSK,PSK,8- DPQSK,π/4DQPSK	star
Bluetooth V3.0 + High Speed (HS)	2.4 GHZ ISM and 5 GHz	3-24 Mbps	10 m (on-body only)	GFSK	star
Bluetooth V4.0 + Low End Exten- sion (LEE)	2.4 GHZ ISM	1 Mbps	10 m (on-body only)	GFSK	star
ZigBee (IEEE 802.15.4)	868 MHz, 915 MHz, 2.4 GHz ISM	20,40,2 <i>5</i> 0 Kbps	10-100 m (on-body only)	O-QPSK,BPSK(+ ASK)	star, mesh, cluster- tree
Ultra Wideband (UWB)	3.1-10.6 GHz	110-480Mbps	5-10 m (on-body only)	OFDM,DS- UWB,BPSK,QPSK	star
RFID (ISO/IEC 18000-6)	860 to 960 MHz	10 to 100Kbps	1 to 100 m	FSK,PSK,ASK	peer-to-peer
Near Field Communication (NFC)	1356 MHz	106,212,424 Kbps (1 Mbps planned for future)	up to 20 cm	ASK	peer-to-peer
Sensium	868 MHz,915 MHz	50 Kbps	1-5 m (on-body only)	BFSK	star
Zarlink (ZL70101)	402-405MHz,433-434 MHz	200-800 Kbps	2 m (in-body only)	2FSK,4FSK	peer to peer
Insteon	131.65 KHz (powerline), 902-924 MHz	13Kbps	Home area	FSK,BPSK	peer to peer
RuBee (IEEE 1902.1)	131 KHz	9.6 Kbps	30 m	ASK,BPSK,BMC	peer-to-peer
Z-wave	900 MHz ISM	9.6 Kbps	30 m	BFSK,FSK	mesh
ANT	2.4 GHz ISM	1 Mbps	30 m (on-body only)	GFSK	star, mesh, peer to peer, tree

Frequencies & Authorized Locations

- 2369-2390 MHz MBANS operations in the 2360-2390 MHz band limited to health care facilities only. Establish
 geographic exclusion zones around all 157 aeronautical mobile telemetry receive sites. MBANS operations in
 the 2360-2390 MHz band would not occur within such geographic exclusion zones.
- 2390-2400 MHz operations permitted anywhere CB radios may operate.



Laser:

Infrared through visible light thru Ultraviolet thru xray. (More Later)

Lida Machine: 40 MHz @ 40watts pulsed at 80 bpm (beats per minute) Effects: Sleepy, Sleep Deprivation, Brain Entrainment

Maser:

Can cause burns through walls. (More Later)

Microwaves:

300 MHz to 300 GHz (Pulse Modulated) (More Later)

Parabolics:

Radar:

Through Wall: Terahertz Range

Remote Detection Systems:

Satellite:

Kamelyon: (portable unit briefcase w/computer/satellite interface) LS Band: 1.7 to 2.5 GHz, C1 Band: 3.1 to 3.5 GHz, C2 Band: 4.4 to 5.0 GHz, C3 Band: 6.4 to 7.2 GHz, X Band: 8.1 to 8.5 GHz. (More Later)

Smart Meters:

902 to 928 MHz & 2.4 GHz. (More Later)

Sonics: (Infra & Ultrasound) (More Later)

Infrasound: up to 20 hz

Ultrasound: (Hypersonic**)** 20 to 200kHz Can be modulated with Heterodyne (Hypnotic Effects)

L.R.A.D: (Low Range Acoustic Device) 20 to 20KHz Subliminal Programming:

Surveillance:

C-Band: 5.8 GHz, K- Band: 15.7 - 17.7 GHz, KA - Band: 27-40 GHz. L-Band: 1-2 GHz, S-Band: 2-3 GHz, X-Band: 9 GHz; Targeting & Imaging: 33.4-36 GHz.

M.I.M.O: (Multiple in, Multiple out)

Stingray:

V2K: (V2S**)** 125 MHz to 3 GHz (Demonstrated in 1973 by Dr. Joseph Sharp) 4 possible known methods known w/varied freq. ranges. (More Later)

Silent Sound: 14.5 to 16.8 KHz (Hypnotic effect) (carried by V2K, Radio, T.V., Ventilation Ducts) (More Later)

Through the Wall Sensors (TTWS) : There are many systems to monitor you in your home to include: Through the wall Sensors (TTWS) Ultra Wide Band Radar (UWB), Doppler Radar, Continuous Wave and Pulsed Wave which are regulated by the FCC unless they are federal level. Federal is monitored, licensed & controlled by National Telecommunications and Information Administration (NTIA). The TTWS surveillance systems are only available to law enforcement, fireman and military agencies. These units use a wide variety of frequencies and some frequencies cannot be detected by average detection equipment. Some of the systems like the **Range R Link** (3-10 GHz) and Xaver 100 (with Net Rugged PDA platform) (3.18 - 3.42 GHz), Xaver 400 (2-10 GHz) can be used remotely and monitored through iOS and Android app's or a remote monitor. **The InSight (by Raytheon)** operates between 2.9 and 3.5 GHz. It should be noted that in addition to these stand-alone devices, **TiaLinx** has incorporated its TTWS technologies into unmanned aerial vehicles (UAV), unmanned ground vehicles (UGV) and a ground-penetrating radar device. The **Phoenix 50-H** is a UAV and the Cougar Family consists of small robotic UGVs. Both the UAV and the UGV family use UWB pulse technologies for detection of targets. The **Prism 200**, produced by Cambridge Consultants, is an UWB-based system made in the United Kingdom. It operates between 1.6 and 2.2 GHz. The Prism 200 has an interface option available for laptop connection so remote viewing and recording can be performed. It is designed to track multiple people, and is in use by national security agencies, security services, emergency services, the military and special forces throughout the world. The **SuperVision 1600** by Yiwu Tianying Optical Instrument Co., Ltd. (Tianying) is an UWB handheld TTWS manufactured in China. It operates between 1 and 3 GHz. SuperVision 1600 includes a display controller for remote viewing and control of the TTWS. The **ACU-CPR4** by Acustek, a single-frequency, continuous wave TTWS device. The ACU-CPR4, a CW device, uses a set frequency of **10.525 GHz** as the standard frequency, although there are other frequencies available (9.35, 9.90, 10.587 and 10.687 GHz). Several ACU-CPR4;s (up to seven) can be linked to a single computer by Bluetooth or to Android-based devices. The AKELA Standoff Through-wall Imaging Radar (ASTIR) is a portable TTWS device. It operates by scanning between 3,101 – 3,499 MHz. STORM Portable Unit (VAWD Engineering) operates between 3.3 and 3.8 GHz. Range-R 2D (L-3 Communications CyTerra Corporation) is a stepped-frequency, continuous-wave radar transceiver operating over the 3,100-3,500 MHz band. One system that does through wall and is available to the public is called **Rex Plus** and uses **2.4 GHz** to operate. Handheld GPS unit (1.57542 GHz). WLAN 802.11a (5.15 GHz - 5.825 GHz).

Wifi:

Wireless Sensor Network: 27.12 MHz (Using house wiring and power lines for transmission & reception) (More Later)

Experimental Frequencies (F.C.C. Doc.)

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Report No. 466 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 2/1/15 to 2/28/15:

ACCIPITER RADAR CORPORATION WH2XPF 0852-EX-PL-2014

New experimental to operate on 9.4 GHz to use radar to study Eagle collision avoidance with wind turbines. Fixed: East China (St. Claire), MI

ADVANCED NAVIGATION & POSITIONING WH2XOM 0877-EX-PL-2014

New experimental to operate on 1030 MHz for equipment testing Fixed: Truckee, CA

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BLACKSKY GLOBAL, LLC WH2XPS 0831-EX-PL-2014

New experimental to operate in 449.75 - 451.25 MHz for testing satellites Fixed: Tukwila (King), WA; Redmond (King), WA; Fairbanks (Fairbanks North Star), AK; Umiat Meridian (North Slope), AK; Truth or Consequence (Sierra), NM

BOEING COMPANY, THE WH2XOK 0860-EX-PL-2014

New experimental to operate in 2391.00 - 2495.00 MHz for testing of MSA aircraft. Fixed & Mobile: Seattle (King), WA; Greenville (Hunt), TX; Glasgow, MT Flight 37,000 ft AGL

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BOEING COMPANY, THE WH2XPH 0016-EX-PL-2015

New experimental to operate on 1227.60 and 1575.42 MHz for testing GPS. Fixed: Palmdale, CA

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BOEING COMPANY, THE WH2XPN 0027-EX-PL-2015

New experimental to operate in 7.25 - 8.40, 20.20 - 21.20 and 43.50 - 44.50 GHz for testing radios. Fixed: San Antonio (Bexar), TX

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DYNETICS, INC. WH2XPJ 0018-EX-PL-2015

New experimental to operate on 3 GHz for equipment testing Mobile: Temporary Fixed Ground Operations, Huntsville, AL

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ENSCO, INC. WH2XMP 0754-EX-PL-2014

New experimental to operate on 2212.00, 2237.00 and 2252.00 MHz for UAS testing Fixed & Mobile: Airborne altitudes not to exceed 100 feet AGL, Jacksonville (Duvall), FL; West Palm Beach (Palm Beach), FL

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FLIR RADARS INC. WH2XMS 0769-EX-PL-2014

New experimental to operate in 9300.00 - 9500.00 MHz to Demonstrate Doppler ground surveillance radar. Mobile: Continental US

GOCALA, STEPHEN M., JR. WH2XPK 0903-EX-PL-2014

New experimental to operate in 460-480 kHz to learn about propagation at the 600 meter wavelength. Fixed: Youngstown (Mohoning), OH

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GUSA LICENSEE LLC WH2XPB 0658-EX-PL-2014

New experimental to operate in 5091-5250 MHz for testing of second generation ground network equipment for satellite system. Fixed: Clifton (Bosque), TX

INSITU WH2XFZ 0421-EX-PL-2014

New experimental to operate in 1525.00 - 1535.00, 2412.00 - 2462.00 and 5250.00 - 5825.00 MHz for simulation and detecting mobile satellite service protocols for UAS. Fixed & Mobile: Bingen (Klickitat), WA; Boardman (Morrow), OR

LOCKHEED MARTIN CORPORATION WG2XQQ 0271-EX-PL-2013

New experimental to operate in 34.00 - 36.00 GHz to test a scalable low cost phased array radar. Mobile: Orlando, FL

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LOCKHEED MARTIN CORPORATION WH2XOQ 0896-EX-PL-2014

New experimental to operate To test an active phased array. Fixed: Camden (Camden), NJ

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LOCKHEED MARTIN CORPORATION WH2XOU 0006-EX-PL-2015

New experimental to operate in 3300.00 - 3400.00 MHz for sensor tracking dynamic targets. Fixed: Santa Cruz (Santa Cruz), CA

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LOCKHEED MARTIN CORPORATION WH2XPA 0014-EX-PL-2015

New experimental to operate in 34.75 - 36.25 GHz to support extended area protection system missile test. Mobile: Forth Worth, TX

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MDA INFORMATION SYSTEMS, LLC WH2XPV 0052-EX-PL-2015

New experimental to operate on 9660 MHz for an airborne radar system which supports ground imaging research and development.

Mobile Grand Junction, CO max altitude 12,000 ft. AGL

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NORTHROP GRUMMAN SYSTEMS CORPORATION WH2XPD 0862-EX-PL-2014

New experimental to operate in 43.5-45.5 GHz for demonstration of advanced extremely high frequency satellite communications capabilities. Fixed & Mobile: Linthicum (Anne Arundel), MD

ORBITAL SCIENCES CORPORATION WH2XPW 0042-EX-PL-2015

New experimental to operate on 1.5 GHz to test a GPS reradiator Fixed: Chandler (Maricopa), AZ

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QUALCOMM TECHNOLOGIES, INC. WH2XJN 0584-EX-PL-2014

New experimental to operate in 2305.00 - 2315.00 and 2350.00 - 2360.00 MHz to test small cell LTE base stations and LTE user equipment. Mobile: San Diego,CA

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RAYTHEON SAS WH2XOF 0861-EX-PL-2014

New experimental to operate in 291.00 - 318.30 MHz to test a UHF MILSATCOM. Fixed: Largo (Pinellas), FL

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SALISH KOOTENAI COLLEGE WH2XPM 0001-EX-PL-2015

New experimental to operate on 145.86 MHz and 437.375 MHz for a cubesat for land cover classification, and cloud cover and cloud height measurements. Mobile: Nongeostationary Space Orbit

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SAN DIEGO GAS AND ELECTRIC COMPANY WH2XPE 0815-EX-PL-2014

New experimental to operate on 915 MHz for wind profiler radars to be used in support of a fire mitigation effort. Mobile: Transportable FX, San Clemente, CA

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SCIENTIFIC RESEARCH CORPORATION WH2XQS 0900-EX-PL-2014

New experimental to operate in 698-716, 728-746, 1710-1755, 2110-2155, 2500-2570 and 2620-2690 MHz to support U.S. Army contract. Fixed & Mobile: Aberdeen Proving Ground, MD

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TITAN AEROSPACE WH2XQQ 0094-EX-PL-2015

New experimental to operate in 459.6626 - 459.9626 MHz for testing solar and electric unmanned

aerial systems for a variety of uses.

Mobile: New Mexico. Area bounded by: 35-14-21 N 106-09-53 W; 35-14-21 N 105-45-53 W; 34-

54-21 N 105-45-53 W; 34-54-21 N 106-09-53 W