Detect, identify and locate mobile devices

LTE, UMTS, CDMA2000, GSM, 802.11 a/b/g/n and Bluetooth®

The Deployable Flying Fox Kit includes everything needed to rapidly setup and passively detect, identify and locate nearby transmitting cellular, Wi-Fi® and Bluetooth® devices.

- Fully Deployable
- Tent-Site Ready
- Ideal for Sensitive Conferences
- Secures Your Location

Deployment-Ready Laptop
4 or more Flying Fox Wireless Sensors
All Necessary Accessories

Geolocation
Cellular Band & Channel
Cellular Provider
Mobile ID During Access Request
Signal Strength of Phone
Timestamp

The U.S. Government has established policies, procedures and responsibilities for cyber security, assuring protected information and regulating the use of Portable Electronic Devices (PED) in restricted spaces, such as Sensitive Compartmented Information Facilities (SCIF). Flying Fox helps you meet those requirements. Epiq Solutions Flying Fox is an innovative sensor providing real-time passive detection, identification and location of nearby cellular, Bluetooth and Wi-Fi devices 24/7. Flying Fox is on the DoD’s Information Network Approved Product List (DoDIN APL) and is in compliance with U.S. Government directives including U.S. Army AR 380-28 and DoD 8100.02.
Flying Fox sensors operate with NRL’s GOTS Orb-weaver software.

It provides unparalleled 24/7 passive monitoring, detection, identification, and location estimation of transmitting cellular, Bluetooth®, and Wi-Fi® devices.

Orb-Weaver is optimized for geolocation accuracy, and is available only to U.S. Government and Law Enforcement personnel.

**What**
- Dedicated Orb-Weaver wireless discovery network
- Uses multiple Flying Fox sensors throughout the monitoring area
- Sensors independently scan for wireless activity
- OA certified and accredited

**Capabilities**
- 24/7 Passive monitoring, detection and ID
- Detects, decodes cellular devices’ Mobile Subscriber Identity
- Zero False-Positive detection
- Automatic cellular survey to determine cellular (2g/3g/4g) providers

**Requirements (Why)**
- DoD Directive 8100.02: Use of Commercial Wireless Devices, Services and Technologies in DoD GIG
- Army Regulation 380-28: Army Sensitive Compartmented Information Security Program
- DHS Management Directive 11021: Portable Electronic Devices In SCI Facilities

**Reliability**
- Flying Fox sensors were developed in collaboration with the Naval Research Lab’s Flying Squirrel Program Office for unparalleled passive wireless device detection, ID and location estimation capability.
- The sensor demodulates and decodes initial messages between a handset and tower. When Flying Fox indicates a phone is active, it is 100% sure. Zero False Positives!

**KEY SYSTEM DETAILS**
- Detect, Identify, Locate radio transmissions from any cellular, Wi-Fi® and Bluetooth® devices
- Carrier and band agnostic (works with U.S. and international mobile providers)
- Advanced cellular processing capability supports 4G (LTE), 3G (UMTS/WCDMA), and 2G (GSM, CDMA2000)
- Future-proof software-defined radio (SDR) architecture
- Wi-Fi® capability supports 802.11 a/b/g/n for both 2.4 GHz and 5 GHz bands
- Integrated self-calibration feature for improved geolocation accuracy

**KEY FLYING FOX SENSOR DETAILS**
- Typical cellular detection sensitivity: -95 dBm
- Single RJ45 ethernet interface supporting IEEE (PoE+) for power and network connectivity
- Separate SMA interfaces for cellular and Wi-Fi®/Bluetooth® antennas
- Compact size: 6.5” x 4.2” x 1.5”
- Typical power consumption: 22W
- Internal fan for active cooling

*Flying Squirrel, a DoD wireless discovery and mapping application, is Government OffThe Shelf (GOTS) software developed by the Naval Research Laboratory, and is for use by US Government organizations for Official Use Only, including DoD, law enforcement and the Federal community.*