

StingRay™

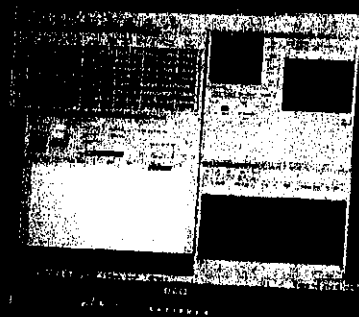
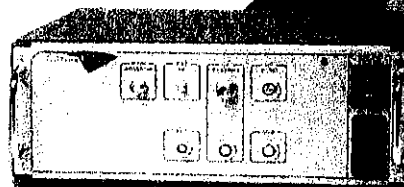
*Transportable CDMA
Interrogation, Tracking
and Location, and
Signal Information
Collection System*

Product Description

StingRay™ is Harris' latest offering in a long line of advanced wireless surveillance products. StingRay is a multichannel software defined radio that performs network base station surveys, Dialed Number and registration collection, mobile interrogation, and target tracking and location with Harris' Amber-Jack™ Direction-Finding Antenna. This low-power transportable surveillance system is designed with the future in mind—its reconfigurable architecture lends itself to upgrades of new capabilities and wireless standards, while preserving the initial investment in hardware.

Features

- Software Defined Radio (SDR) enables simultaneous monitoring of up to eight CDMA Paging/Access channel pairs
- Active interrogation capability emulates base station to collect MINs and ESNs through forced registration; external PA output available for higher power requirements
- Interfaces with AmberJack antenna to form a complete target tracking and location solution using active direction-finding and ranging techniques (active approach does not require the target phone to be engaged in a call)
- Optional geolocation software overlays target tracks and tracking vehicle location on a digital map
- Wideband RF front-end provides simultaneous operation in the U.S. cellular 800 and PCS 1900 MHz bands and is preconfigured to support iDEN (low band), GSM 900, and DCS 1800 bands
- PC-based controller running Windows® XP provides an intuitive Graphical User Interface (GUI)
- Industry-standard USB interface enables plug-n-play networking of multiple StingRay surveillance systems if the user requires more channel capacity
- Supports targeting and real-time searching of mobile identification numbers (MIN), dialed numbers, and electronic serial numbers (ESN)
- Low-power system designed for vehicular operations



AmberJack™

Dual-Band Direction Finding System

Product Description

AmberJack™ is a phased array direction finding (DF) antenna system capable of tracking and locating mobile phone users. The DF antenna array is designed to operate with Harris' Loggerhead™ and StingRay™ products enabling tracking and location of AMPS, TDMA and CDMA phones. AmberJack operates in both the cellular and PCS bands.

AmberJack combines Harris' expertise in phased array antenna technology and tracking and locating systems to offer a state-of-the-art direction finding system. Beam forming technology offers a universal DF antenna for existing as well as future cellular standards.

The DF antenna array incorporates magnetic mounts for ease of installation to the roof of a tracking vehicle and offers a low profile for reduced visibility. User-friendly software, developed for the Windows® operating system, enables intuitive control of the AmberJack system and its companion receiver from a single interface. Once a targeted phone is engaged, information on the direction to the target is dynamically updated for display on the PC.

Features

- Determines direction of arrival and received signal strength of phone's transmission
- Provides real-time display of direction to the target
- Low power, small size
- User-friendly graphical user interface for the PC or Pocket PC (optional)

