Criminal Activity brought to light by GPS Jamming Detector

GPS Jamming Detector leads to Arrest

CASE STUDY

An officer with Hampshire Police was called to a Road Traffic Incident outside a supermarket at Chandlers Ford. On arrival at the scene, the GPS jamming detector, which is secured to his motor bike, detected GPS jamming from an unattended works van.

The officer could see an object was plugged into the cigarette lighter socket, but not what it was. While dealing with the RTI, he kept an eye on the van and in due course the driver returned and got in whereupon the officer went over to speak to him. This resulted in the driver being breathalysed and following a positive test, his being arrested. It also transpired that the driver had been shoplifting and was using his company van outside of company hours.

The object in the cigarette lighter socket was a GPS jammer which the driver was using to

disable the GPS signal of his company fleet tracking system, enabling him to use his company van out of hours while being undetected by his company's tracking system. Police are checking with the company, who is a sub-contractor to a major utility company, to see if their fleet tracking system was being compromised.

Typical cigarette lighter GPS jammer readily available on the Internet

Handheld GPS Jamming Detectors

CASE STUDY

CTL3510 on optional universal mount with suction base

CTL3520 Handheld GNSS Interference Locator

Product Overview

The Chronos CTL3510 GNSS Interference Detector and Logger is a low cost, handheld, battery operated device designed to detect the presence of GNSS jamming or too much power or interference in the GPS L1 and Galileo E1 bands. If there is enough signal power, CTL3510 also detects spoofing.

- Ideal for detecting commercially available GNSS jammers hidden in vehicles
- Time stamped event logging feature enables covert deployment in vehicles where the driver is suspected of using GPS Jammers

Applications

Detection and location of GNSS jammers in:

- Any vehicle or human carrier
- Multi-storey car parks
- Taxi ranks at railway stations, airports etc.
- Truck holding areas
- Van depot gates
- Ports, freight & container terminals
- Routine checking of new and existing GNSS antenna installations
- Detection of spurious emissions caused by cable/connector corrosion impedance mismatch of new and existing GNSS antenna applications

Product Overview

The Chronos CTL3520 GNSS Interference Detector and Locator is a handheld, battery operated device designed to detect and quickly locate the presence of jamming signals from commercially available GNSS jammers or too much power or interference broadcast in the GPS L1 and Galileo E1 bands.

Direction Finding and Detection Capability

The CTL3520 has a liquid crystal display which indicates the direction of the jammer with a visual indication. This enables the operator to quickly identify the jammer direction and location in order to mitigate the threat. The CTL3520 is sensitive enough to detect even the lowest power jammers which are commercially available on the market.

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