

LOCO GPSI Mini

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VENDOR DESCRIPTION

LOCO GPSI is an acronym for Location Of GPS Interferes. LOCO GPSI Mini is an able, light-weight ESM system capable of expansion to cover 0.05 to 18 GHz. It provides highly accurate geolocation employing a short-baseline angle-of-arrival (AOA) direction finding architecture. The baseline common receiver module covers the 1 to 2 GHz band. Although the hardware was initially developed to locate GPS signal interference, it is easily adaptable to locate and identify any signal in its band.



Product Manager

Robotic & Unmanned Sensors

Telephone: (732) 427-5827 / DSN 987

Fax: (732) 427-5072 / DSN 987

e-mail: SFAE-IEWS-NV-RUS@IEWS.monmouth.army.mil

Misc

Hardware

Power: 75 watts

Dimensions: 203mm x 186mm x 106mm

Weight: 6 kg or 13.3 lbs

Internal Volume: 0.004 m³ or 0.14 ft³

Performance

Frequency Coverage: 0.05 to 18GHz

Tangential Sensitivity: -87 dBm with a 40 MHz bandwidth. Bandwidth is selectable down to 25 kHz for improved sensitivity.

Instantaneous Dynamic Range: 70 dB in 25 kHz bandwidth

Signal Types Identified: Normal/Staggered PRI, AM, FM, Frequency agile, Digital (QPSK, BPSK, FSK), CW, Broadband noise

Parametric Measures: Frequency, received signal strength, PW, PRI, AOA, I/Q, Modulation type

Minimum Pulse Width for DF: 100 nsec

DF Accuracy: 1° RMS

Passive Ranging Accuracy: < 1% of range