## Power Line Antenna II

## Superior Frequency Range & Improved Voltage Protection

- 1kHz to 1.25GHz 0 to 480VAC
- Compatible with all CACI-SW Sensor Platforms
- Compatible with COTS Spectrum Analyzers
- Compatible with COTS/GOTS SDRs

The CACI | SystemWare Power Line Antenna II (PLA II) offers unmatched performance, user flexibility and an extremely wide frequency range. With a radio frequency (RF) spectral coverage of 1kHz to 1.25GHz and voltage protection up to 480VAC, PLA II addresses the increased threats caused by the technological improvements in carrier current devices and power line and conductor infrastructure. The PLA II, designed to operate with CACI | SystemWare's full complement of RF sensor products and software, can also be utilized with generic spectrum analyzers or software defined radios of your choice. Equipped with Ethernet, USB, manual controls and embedded browser support, the PLA II allows the user to automatically cycle between conductor pairs during a sweep or manually when used as a stand-alone unit.



For more information, or to purchase contact:

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**CACI** | **SystemWare** *is a CACI Company* 

For more information about our expertise and technology, visit: www.caci.com



## **Features**

- 1kHz 1.25GHz frequency coverage
- Up to 480VAC power support
- Up to 60dB of attenuation
- Automated switching between states of power via Ethernet/USB Control
- Manual switching for use with spectrum analyzers or SDRs
- Browser command and control

## **Specifications**

- Gain: 15dB @ 0 attenuation setting
- Line Input: 0 480VAC, 50/60Hz
- Output: Two SMAs; 50 OHM
- RF 1: 1kHz 1.25GHz
- RF 2 Upconvert: 3GHz 4.25GHz
- Filtering: >140dB; high-pass and notch filters attenuate the ACLine Components
- Attenuation (Manual): 0, 10, 20, 40dB or combination up to 60dB
- Attenuation (Remote): 60dB; 1dBSteps
- Auto and Manual Control: 3Channels; PN, PG and NG
- Power Supply Voltage: 5VDC
- Power Consumption: <3W</li>
- Physical Size: 7.45"x 4.72"x 1.71"



Quickly scan three states of power line conductors (-SW Sensor Sweep w/PLA II)



Analyze detected power line signals (-SW Sensor Interactive Plot w/PLA II)



Browser control interface

This material consists of CACI International Inc general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-10. (PR ID317)



**EXPERTISE** and **TECHNOLOGY** for National Security

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