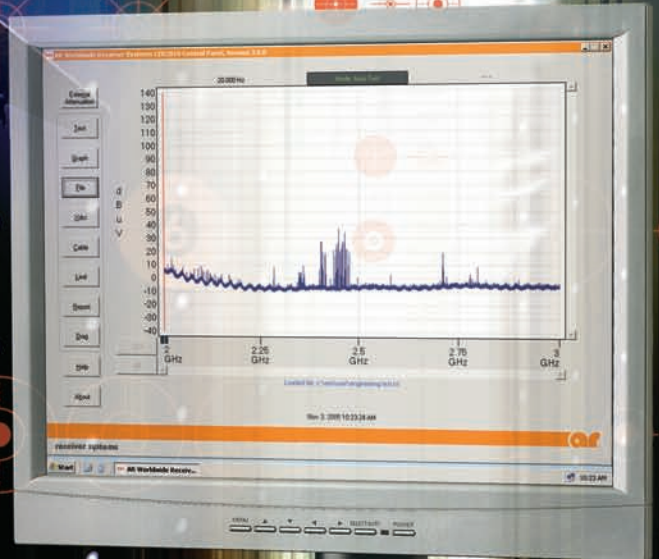


# Seamless!

## The New CER2018 Receiver and EMI Testing Accessories

- For EMI Testing.
- For Surveillance.
- For Unsurpassed Accuracy.
- For Easy, Intuitive Use.
- For Remote Operation.



receiver systems



POWER

# One Company, Infinite Solutions.

*With the combined resources of all the AR companies, we simply have more of the best people making the best products, and providing more innovative solutions for EMC, Wireless and beyond. No wonder AR is recognized as the global leader.*

*We can help overcome your toughest challenges. And give you a real competitive edge. You get the benefit of all our people, all our innovations, and all our support when you connect with any member of the AR family. We're one company. With infinite solutions.*

## ***Unparalleled Quality. Exceptional Value.***

*You work in an environment where precision and dependability are essential. A millisecond can make a critical difference. So AR products are designed and built to the toughest standards. No compromises.*

*The result is tough, durable, innovative products that you can count on to help you achieve new levels of efficiency and accuracy. Products that perform beyond expectations in even the most grueling environments. AR products work hard, they work long, and they deliver real value.*

## ***Solutions That Give You Room to Grow.***

*AR products not only provide solutions to current problems, they anticipate and help you prepare for the future.*

*We're constantly pushing the boundaries and exploring new ways to give you what you need – today and tomorrow.*

## ***A Global Support System That Will Be Here For You Today, Tomorrow and Always.***

*AR supports its products with the strongest, most comprehensive warranty in the industry. And that warranty is backed by a worldwide service and technical support network that's second to none. If anything goes wrong with your AR product – ever – we'll be there to help make it right.*



# No Existing Receiver Is Even Remotely Close.

The CER2018 is unlike any receiver you've ever used. Its wide frequency range, 20 Hz to 18 GHz – expandable to 110 GHz – and its groundbreaking remote operation are only part of what makes this complete EMI test solution completely different than ordinary receivers.

The CFE2040, a 18 - 40 GHz remote host fixture allows operation up to 100 ft. from the main receiver with no cable loss implications.

The unique system also employs a remote, calibrated 3-110 GHz receiver that is operated seamlessly from the main system through the same interface. This enables users to work at distances of up to 500 feet from the main instrument.

## Features & Capabilities That Go Above & Beyond:

Superior, Intuitive User Interface – It's incredibly easy to use; all functions are menu-driven

Real-Time Wideband Gain Stabilization

Fast Manual Tuning with Mouse Wheel

Six Antenna Input Ports – No external antenna switch necessary

Programmed-In Test Formats Include CISPR 16-1-1, MIL-STD 461/462, ANSI C63 and FCC

Distinct and Versatile Band Segment Definition – frequency range, bandwidth, sweep rate, pre-amp inclusion/exclusion, input port, input attenuation, detector selector

Removable Hard Drive available at no cost

Built-In Computer, Windows XP Professional and Receiver Operating Software – no need to fiddle with switches, buttons or sliders

Parallel Measurement and Simultaneous Display of Peak, Quasi-Peak, RMS and CISPR Average

Windows Vista ready and TILE! Interface compatible

The unique system also offers a remote, calibrated 3-110 GHz receiver that is operated seamlessly from the main system through the same interface. Separately Housed, Cost Effective Upgrades Available to 40, 60, 90 or 110 GHz

Ready for Operation Above 18 GHz without upgrade or factory return

Three-Year Warranty

Internal On-Demand, Wideband Calibration Performance Check

Fast Frequency Synthesized Receiver Architecture

Model CER2018  
20Hz - 18GHz  
EMI RECEIVER

Model CER2018 EMI Receiver: 20 Hz – 18 GHz with expandability to 110 GHz ...

# More Choices To Make EMI Testing Faster, Easier, More Accurate.



## CL-105 / CL-106

### Shielded Enclosure Leak Detector System

A convenient way to test the electromagnetic shielding effectiveness at the enclosures most likely points of degradation – seams, doors and filter connections. Meets the most rigid MIL standards.

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## 533X-11M

### Variable Repetition Rate Impulse Generator (Calibrator) 10 kHz – 1 GHz

A calibrated broadband signal source primarily intended for use as a calibrator when performing substitution type interference measurements.

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## CFE2040 Frequency Extender

### 18 GHz – 40 GHz

Extends the range of the CER2018 and CER2018M1 receivers to 40 GHz.

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Backed By AR Quality. And The Most Comprehensive Warranty In The Industry.

AR supports its products with the strongest, most comprehensive warranty in the industry and a worldwide service and technical support network that's second to none. If anything goes wrong with your AR product, we'll be there to help make it right ... today, tomorrow and always.

To learn more, including information on the CER2018M1 for surveillance applications, visit us at [ar-worldwide.com](http://ar-worldwide.com) or call 800-933-8181.

At AR, there's no substitute for quality. It's the foundation of our business and the AR value that's recognized around the globe. It's one of the key reasons AR has become the worldwide leader in EMC, Wireless and beyond.

AR products do more, last longer, work harder and make your job easier. And that gives you a fierce competitive edge. Only AR delivers innovative technology, advanced design, quality build & workmanship, mismatch capability, durability & longevity, less cost watt for watt, and a worldwide support network that's here for you today and tomorrow.

With the combined resources of all the AR companies, we simply have more of the best people making the best products to overcome your toughest challenges.

### **ar** RF/Microwave Instrumentation

- RF Amplifiers 1 to 10,000 watts, dc to 1 GHz
- Microwave Amplifiers 1 to 4000 watts, 0.8 to 45 GHz
- Antennas 1 to 15,000 watts, 10 kHz to 50 GHz
- Transient Generators
- Precompliance Test Systems
- Accessories and Software

### **ar** Modular RF

- RF Amplifiers and Modules
- Broadband and Sub-band Solid State RF Amplifiers
- Booster Amplifiers for Tactical Military Radios

### **ar** Receiver Systems

A line of products & services for EMC Testing including:

- EMI Receivers
- Impulse Generators and Measurement Systems
- Leak Detectors

### **ar** Europe

- Offering a complete line of RF Products and testing solutions for the European Market

Want to know more about AR? Need help with any RF solutions or testing procedures? Here's how to reach AR and get all the help you need:

[www.ar-worldwide.com](http://www.ar-worldwide.com)

### **ar** RF/Microwave Instrumentation

160 School House Road,  
Souderton, PA 18964-9990 USA  
Tel 215-723-8181

For RF Amplifier modules, contact:

### **ar** Modular RF

11807 North Creek Parkway South, Suite 109,  
Bothell, Washington 98011 USA  
Tel 425-485-9000 • Fax 425-486-9657

For receiver systems, contact:

### **ar** Receiver Systems

21434 Osborne St.  
Canoga Park, CA 91304  
Tel 800-933-8181

### **ar** Global Promise

The AR warranty is more than just a warranty, it's a promise, backed by a knowledgeable support team that's always there for you to help solve any problems and answer any questions, today and tomorrow. AR warrants its amplifiers, antennas, pre-compliance test systems, transient generators, power meters, field monitoring equipment, conducted immunity generators, signal generators, couplers and tripods to be free of defects in materials and workmanship for a period of three years from date of shipment. Other products including 200T1G3A, 200T2G8A, 200T8G18A, 250T1G3, 250T8G18 TWT carry a two-year warranty. Vacuum and other traveling-wave tubes as well as powerheads carry a one-year warranty.



**receiver systems**

**Other ar divisions: microwave instrumentation • modular rf • ar europe**