

RRC releases OEM samples of its high-efficiency wireless power technology for medical, military & industrial markets

LOS ANGELES — March 14, 2011 — [RRC power solutions Inc.](http://www.rrc-ps.com) (www.rrc-ps.com), a worldwide leader in high-quality power supplies, chargers and battery packs, today announced availability of evaluation kits of its high-efficiency wireless power technology. [RRC's wireless technology](#) is aimed at original equipment manufacturers (OEMs) making portable products for medical, military, instrumentation and industrial markets, in addition to consumer markets.

"Many wireless charging solutions are designed for low-wattage consumer devices such as cell phones, while RRC's approach also addresses important and promising industrial markets where devices range up to 500 watts," said Paul Cahill, president of RRC power solutions Inc. "Unlike approaches that waste significant power when not actively charging, RRC's technology is able to maintain high efficiency during both active and passive modes."

RRC has developed two wireless power platforms for OEMs. One platform is targeted at custom designs with higher wattage requirements (10 W to 500 W) and delivering high efficiency, exceeding 90 percent. This RRC platform will be fully compliant with worldwide energy efficiency standards such as Energy Star.

The second platform, which the evaluation kits are based on, focuses on compliance with the Wireless Power Consortium's 5 W "Qi" (pronounced "chee") standard and is aimed at lower-wattage devices.

"Wireless charging is an extremely attractive technology, eliminating cables and tangled cords, offering a green solution and simplifying the end-user interface. We expect the market for wireless charging in consumer applications to grow from 2.3 million units in 2010 to 464 million units in 2014, and we also predict healthy growth for wireless charging in OEM markets in the industrial, medical and military sectors," notes Tina Teng, senior analyst, Wireless Communications, iSuppli.

Wireless charging drives new & high-potential markets

RRC's wireless charging evaluation kit announced today is designed for wireless devices that operate at up to 5 W. The current evaluation kit represents the fifth generation of RRC's wireless power technology.

Both the Qi-compliant 5 W and the high-efficiency, higher-wattage platforms of RRC's technology are expected to help OEMs expand the use of wireless power in medical, military, instrumentation and industrial markets concerned about recharging issues such as safety, the ability to operate in a hazardous environment and ruggedness. Wireless power eliminates the need for connectors and connections during charging, so mobile devices can be sealed to protect internal electronics from sparks, dirt or liquid contamination.

Examples of applications that could be improved or made possible by RRC's wireless power technology include:

- Handheld data capture devices for reading utility meters, tracking inventory or shipments, scanning barcodes, completing transactions such as rental-car returns and other applications for collecting information quickly and accurately: recharged conveniently in the field or on the go.
- Medical devices ranging from patient monitors, defibrillators, surgical tools and diagnostic tools to blood glucose (pinprick) testing devices and implantable devices such as pacemakers: powered and charged wirelessly and sterilized without damaging the electronics.



- Handheld gas-detection monitors used for mining, gas exploration and drilling: recharged on site without risk of sparks in gas-filled environments.
- Military communications devices (radios, phones, GPS, mobile computers): made more rugged with sealed configurations and recharged wirelessly even under combat conditions.
- Firefighting and other emergency equipment such as radios, infrared viewers, cameras and flashlights: recharged conveniently and safely from docks on fire trucks or emergency vehicles, with a simple, rugged and durable interface for charging.
- Household appliances such as mixers, toasters, kettles, robotic cleaners, etc.

RRC's wireless power: higher wattage, efficiency & wireless adoption

RRC's new wireless power solutions build on more than two decades of research, development and technological leadership from the company, which prides itself on its German engineering heritage. The benefits include:

- Focus on wattage levels between 5 W and 500 W, which is the ideal range for OEMs designing wireless devices for medical, instrumentation, military and industrial applications.
- Efficiency greater than 90 percent, due to RRC's ability to achieve efficiencies in active and passive modes.
- A simplified interface that makes it easier for OEMs to design RRC's wireless power technology into a variety of formats (e.g., charging docks, cradles).
- All the safety, convenience, reliability and ruggedness qualities of wireless charging, with sealed configurations and no connectors or connections.
- Cost-efficient, digitally controlled design that helps limit part count.
- Ability to work with all common rechargeable cell chemistries; to communicate with any host device; to automatically distinguish between a chargeable device and anything else placed on a charging mat or dock; and to scale modularly up or down as needed.
- Full compliance with standards such as Energy Star and the Wireless Power Consortium's Qi. RRC also is an active member of VDE, the German regulatory agency responsible for setting wireless charging standards throughout Germany and influencing EU standards.

Price and availability

RRC's wireless evaluation kits will be available to OEMs at the end of March in sample quantities for \$299, plus shipping. The evaluation kit contents include:

- Primary PCB with coil (5W) mounted on a plastic plate with an integrated power supply connector.
- Secondary PCB with coil (5W) mounted on a plastic plate.
- Descriptions of the measuring points, as well as instructions on how to remove the coil and circuitry from the plastic plate to integrate the electronics into a device.
- Wall plug power supply with country-specific plugs for the U.S., Europe and the U.K.
- Directions for use and details on coil sizes and requirements included in the manual in English, German and Japanese.



About RRC power solutions Inc.

RRC power solutions Inc. is the U.S. subsidiary of [RRC power solutions GmbH](http://www.rrc-power-solutions.com), a worldwide technology leader in high-quality power supplies, battery charging and battery packs for mobile applications. Maintaining its technological edge through continued investment in research and development, RRC develops and supplies solutions that are incorporated by global manufacturers into products such as handheld instruments, medical devices, mobile military equipment and notebook computers.

Founded in 1989, RRC power solutions has its corporate headquarters and R&D center in Homburg, Germany, with branch offices and production plants in Hong Kong, Los Angeles, Paris and Shenzhen. RRC is certified according to ISO 9001:2008 and ISO 13485:2007 manufacturing standards.

For more information, please visit www.rrc-wireless-power.com

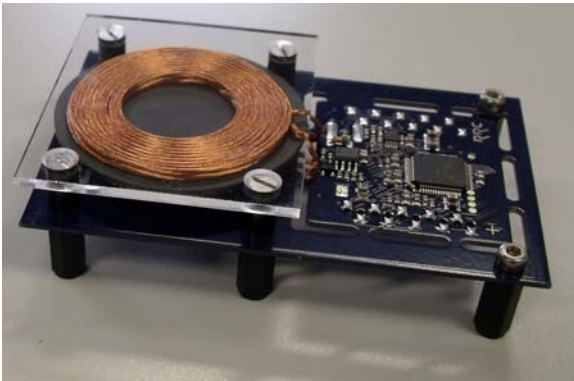
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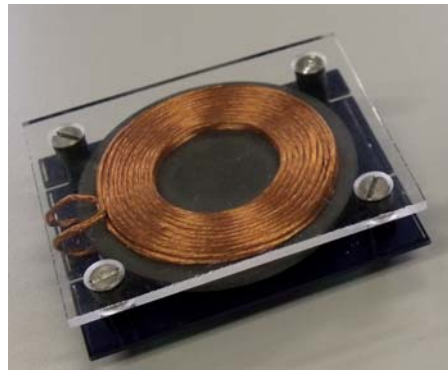
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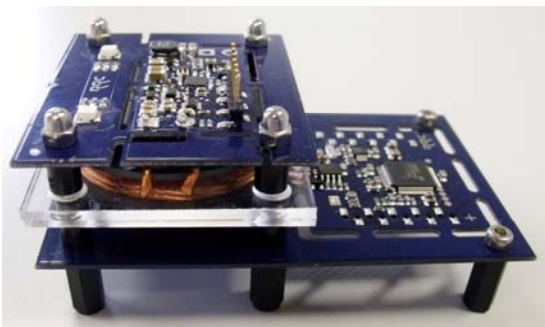
Evaluation Kit



Wireless Transmitter



Wireless Receiver



Wireless Coils Stacked