

Investigation of Magnetic Resonance Wireless Charger Efficiency for Mobile Device

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Abstract : The magnetic resonance wireless power transfer system is widely researched due to its benefits such as spatial freedom. In this paper, power transmitting unit and power receiving unit of wireless battery charger for mobile devices is presented. Power transmitting unit efficiency is measured under different test conditions with power receiving units.

Keywords : magnetic resonance coupling, wireless power transfer, power transfer efficiency.

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