Electromagnetic Radiation Hunter

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In today's world, energy is obtained from high-energy radiation resources, from nuclear reactors. Besides solar panels, which benefit only from a certain part of the solar spectrum, it has not been possible to obtain energy from other low-energy radiation sources such as RF (wireless) - IR spectrum range. Scientists continue to look for ways of converting alternative energy resources into electrical production. Parallel to the progress of technology, cell phones, which have become inevitable parts of our lives, tablet computers, game consoles, mp3 players and other similar electronic devices need energy to run. This is where chargers come to the forefront. Chargeable devices are usually charged with 220-Volt AC-DC transducers or via computers. Both methods of charging amount to a huge amount of energy on a yearly basis. When it is considered that there are more than six billion cell phones today, the cost of charging is exorbitant. In this project, a new generation device was designed for a sustainable world. This device differs from current products on the market as it does not use a PC USB or 110/220 Volt adapter, but only low-energy electromagnetic radiation sources such as RF (wireless), UV and IR to continuously recharge the battery. The energy efficiency of the device was tested and proved to be useable 24/7.

Awards Won: