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Reduce Radiation Exposure from Smartphones and Tablets using Bodywell Chips

By [deepthir](#) on [February 13, 2013](#)

Phones transmit tiny electromagnetic radiation waves, when you make a call, send a SMS, check e-mails or search for directions. But for years, this non-ionized radiation was thought to be harmless. With more and more research taking place, doctors are warning of possible health hazards such as brain tumors, migraines, cancer and kids' behavioral problems. Global health advisers including the World Health Organization have recently warned of the possible danger, and Federal Communications Commission (FCC) has designated 1.6 watts per kilogram as the highest safe level for public exposure.



EZ Technologies, a Swiss-owned technology firm that researches and develops products to facilitate healthier lifestyles in a digital world, announced Bodywell chip, that has proven to reduce the Specific Absorption Rate (SAR) levels by up to 80 percent, without reducing the phone's reception, in a symposium on February 11, 2013. The concept is similar to the effect of noise-canceling headphones, which greatly reduce noise with a form of counter-noise, rendering the disruptive sound neutral. Bodywell is approximately an inch-square long and thickness of a SIM card, that consumers can peel the back and stick to their mobile phones. It is imprinted with all-natural frequencies that counter cell phone radiation and is designed to last the lifespan of your mobile phone. The Bodywell Chip is powered by the proprietary MobileTek technology, which is scientifically proven to reduce exposure to cellphone radiation. Moshe Einat, a researcher and lecturer at the

Department of Electrical & Electronic Engineering at the Ariel University of Samaria, in Israel tested the chip on Samsung Galaxy S III on the right side ear and chip with Apple iPhone 5 on the left side ear. Samsung Galaxy S III's SAR level was reduced by 80.3 percent, while iPhone 5's SAR level was reduced by 68.2 percent and when used with an iPad, SAR level was reduced by nearly 35 percent. According to FCC guidelines, phones should be held up an inch away from the head, but most users press them to their ears, and FCC SAR guidelines are based on fully developed adults, and not children with smaller heads and softer skulls, whose nervous system does not mature until the late teens or even late 20s. EZ Technologies, CEO Haim Einhorn says "Children today are growing up in a world that only knows the iPhone, and it is critical that we have an understanding of how the pervasive use of the iPhone and all other cell phones will affect our children." Some wireless carriers have expressed curiosity in the product, but currently, it is only available through the company's stores, certain retailers and Amazon.com for \$29.99.